Davis, M.
09/743825
Seq. ID 1

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: January 13, 2006, 07:12:30 ; Search time 11738 Seconds
(without alignments)
11264.088 Million cell updates/sec

Title: US-09-743-825-1
Perfect score: 2326
Sequence: 1 ccggggctggagggggcaa.....agggaagtgagaaaaaaaaa 2326

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 5883141 seqs, 28421725653 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1641224

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 1000 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_in:*
3: gb_env:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pr:*
9: gb_ro:*
10: gb_sts:*
11: gb_sy:*
12: gb_un:*
13: gb_vi:*
14: gb_htg:*
15: gb_pl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	26	1.1	26	6	AX769408	AX769408 Sequence
	2	22	0.9	22	6	CQ800838	CQ800838 Sequence
c	3	22	0.9	22	6	CQ800839	CQ800839 Sequence
	4	22	0.9	22	6	AX769407	AX769407 Sequence
c	5	22	0.9	22	6	AX769409	AX769409 Sequence
	6	20	0.9	20	6	CQ799122	CQ799122 Sequence
c	7	20	0.9	20	6	CQ799123	CQ799123 Sequence
c	8	17	0.7	20	6	AR122487	AR122487 Sequence
	9	17	0.7	23	6	CS093550	CS093550 Sequence
c	10	16	0.7	22	6	AR252672	AR252672 Sequence
c	11	16	0.7	22	6	AX403553	AX403553 Sequence
	12	16	0.7	23	6	CQ798130	CQ798130 Sequence
	13	16	0.7	23	6	CS093551	CS093551 Sequence
	14	16	0.7	24	6	AR059920	AR059920 Sequence
	15	16	0.7	24	6	AR059921	AR059921 Sequence
	16	16	0.7	25	6	CQ862656	CQ862656 Sequence
	17	16	0.7	30	6	E40787	E40787 Antihuman F
	18	15	0.6	17	6	AX266831	AX266831 Sequence
c	19	15	0.6	17	6	AX266832	AX266832 Sequence
	20	15	0.6	19	6	AR139023	AR139023 Sequence
	21	15	0.6	19	6	CS136335	CS136335 Sequence
c	22	15	0.6	19	6	CS136410	CS136410 Sequence
	23	15	0.6	19	6	AR594817	AR594817 Sequence
	24	15	0.6	20	6	AR044038	AR044038 Sequence
c	25	15	0.6	20	6	AR044042	AR044042 Sequence
c	26	15	0.6	20	6	AR311526	AR311526 Sequence
c	27	15	0.6	20	6	AR428075	AR428075 Sequence
c	28	15	0.6	20	6	AX316296	AX316296 Sequence
	29	15	0.6	21	6	AR035037	AR035037 Sequence
	30	15	0.6	21	6	CQ799567	CQ799567 Sequence
	31	15	0.6	21	6	CS093907	CS093907 Sequence
c	32	15	0.6	21	6	CS093955	CS093955 Sequence
	33	15	0.6	21	6	AR264534	AR264534 Sequence
	34	15	0.6	22	6	I33115	I33115 Sequence 6
	35	15	0.6	22	6	AX496693	AX496693 Sequence
c	36	15	0.6	23	6	AR070537	AR070537 Sequence
c	37	15	0.6	23	6	CQ875763	CQ875763 Sequence
c	38	15	0.6	23	6	AR374800	AR374800 Sequence
c	39	15	0.6	23	6	AR615456	AR615456 Sequence
	40	15	0.6	24	6	E38463	E38463 Process for
	41	15	0.6	25	6	AR048532	AR048532 Sequence
c	42	15	0.6	25	6	AX043676	AX043676 Sequence
c	43	15	0.6	25	6	AX085818	AX085818 Sequence
	44	15	0.6	25	6	AX085819	AX085819 Sequence
c	45	15	0.6	26	6	BD184062	BD184062 Method an
c	46	15	0.6	26	6	AX742238	AX742238 Sequence
	47	15	0.6	27	6	BD134856	BD134856 Binding t
	48	15	0.6	27	6	BD264396	BD264396 Growth fa
	49	15	0.6	27	6	BD276236	BD276236 GROWTH FA
	50	15	0.6	27	6	CS019515	CS019515 Sequence
	51	15	0.6	27	6	CS074114	CS074114 Sequence
	52	15	0.6	27	6	AR267278	AR267278 Sequence
	53	15	0.6	27	6	AR282976	AR282976 Sequence
	54	15	0.6	27	6	AR372418	AR372418 Sequence
	55	15	0.6	27	6	AR594664	AR594664 Sequence
	56	15	0.6	27	6	AR654176	AR654176 Sequence
	57	15	0.6	27	6	AR655770	AR655770 Sequence
	58	15	0.6	27	6	AX044516	AX044516 Sequence
	59	15	0.6	27	6	AX055844	AX055844 Sequence
	60	15	0.6	27	6	AX118799	AX118799 Sequence
	61	15	0.6	27	6	AX928287	AX928287 Sequence
	62	15	0.6	28	6	AX431475	AX431475 Sequence
	63	15	0.6	30	6	AR585696	AR585696 Sequence
	64	15	0.6	30	6	AX077141	AX077141 Sequence
	65	14	0.6	15	6	AR055865	AR055865 Sequence
	66	14	0.6	15	6	AR113623	AR113623 Sequence
	67	14	0.6	15	6	CS002018	CS002018 Sequence
	68	14	0.6	15	6	E51111	E51111 Method for
	69	14	0.6	15	6	AX632907	AX632907 Sequence
	70	14	0.6	16	6	E29998	E29998 Method for
c	71	14	0.6	17	6	CQ777983	CQ777983 Sequence
c	72	14	0.6	17	6	AX760743	AX760743 Sequence
	73	14	0.6	17	6	AX761593	AX761593 Sequence
c	74	14	0.6	18	6	CQ772504	CQ772504 Sequence
	75	14	0.6	18	6	CQ983513	CQ983513 Sequence
	76	14	0.6	18	6	AR297615	AR297615 Sequence
c	77	14	0.6	18	6	AX068306	AX068306 Sequence
c	78	14	0.6	19	6	AR034184	AR034184 Sequence
c	79	14	0.6	19	6	AR111532	AR111532 Sequence
c	80	14	0.6	19	6	AR147011	AR147011 Sequence
c	81	14	0.6	19	6	AR158158	AR158158 Sequence
c	82	14	0.6	19	6	CQ960324	CQ960324 Sequence
	83	14	0.6	19	6	CQ961975	CQ961975 Sequence
	84	14	0.6	19	6	CS092439	CS092439 Sequence
c	85	14	0.6	19	6	CS092605	CS092605 Sequence
c	86	14	0.6	19	6	AR267733	AR267733 Sequence
c	87	14	0.6	19	6	AR365768	AR365768 Sequence
c	88	14	0.6	20	6	AR092369	AR092369 Sequence
c	89	14	0.6	20	6	AR150419	AR150419 Sequence
	90	14	0.6	20	6	BD090769	BD090769 Mutant hu
	91	14	0.6	20	6	BD097503	BD097503 Human mut

c 92	14	0.6	20	6	BD228292	BD228292 Antisense
93	14	0.6	20	6	E09829	E09829 Primer. 9/1
94	14	0.6	20	6	AR221984	AR221984 Sequence
95	14	0.6	20	6	AR224767	AR224767 Sequence
96	14	0.6	20	6	AR236872	AR236872 Sequence
c 97	14	0.6	20	6	AR442596	AR442596 Sequence
98	14	0.6	20	6	AR640289	AR640289 Sequence
99	14	0.6	20	6	AX111369	AX111369 Sequence
100	14	0.6	20	6	AX167902	AX167902 Sequence
101	14	0.6	20	6	AX298884	AX298884 Sequence
c 102	14	0.6	20	6	AX537926	AX537926 Sequence
103	14	0.6	20	6	AX571908	AX571908 Sequence
c 104	14	0.6	21	6	AR097627	AR097627 Sequence
c 105	14	0.6	21	6	BD063098	BD063098 Insulin-l
106	14	0.6	21	6	CS093908	CS093908 Sequence
c 107	14	0.6	21	6	CS093956	CS093956 Sequence
108	14	0.6	21	6	AR651151	AR651151 Sequence
c 109	14	0.6	21	6	AX001243	AX001243 Sequence
110	14	0.6	22	6	CS113571	CS113571 Sequence
c 111	14	0.6	22	6	AX038513	AX038513 Sequence
c 112	14	0.6	23	6	BD196534	BD196534 Prostatic
c 113	14	0.6	23	6	CQ875212	CQ875212 Sequence
c 114	14	0.6	23	6	AX038514	AX038514 Sequence
115	14	0.6	23	6	AX745983	AX745983 Sequence
c 116	14	0.6	23	6	AX922778	AX922778 Sequence
c 117	14	0.6	23	6	AX922790	AX922790 Sequence
c 118	14	0.6	23	6	AX922793	AX922793 Sequence
119	14	0.6	23	6	AX937533	AX937533 Sequence
120	14	0.6	24	6	A47371	A47371 Sequence 3
c 121	14	0.6	24	6	A58795	A58795 Sequence 6
122	14	0.6	24	6	BD235851	BD235851 Nucleic a
c 123	14	0.6	24	6	CS129728	CS129728 Sequence
c 124	14	0.6	24	6	AR304627	AR304627 Sequence
c 125	14	0.6	24	6	AR583994	AR583994 Sequence
126	14	0.6	24	6	AR595694	AR595694 Sequence
c 127	14	0.6	24	6	AX038515	AX038515 Sequence
128	14	0.6	25	6	CQ863938	CQ863938 Sequence
c 129	14	0.6	25	6	CQ864079	CQ864079 Sequence
c 130	14	0.6	25	6	CQ866287	CQ866287 Sequence
c 131	14	0.6	25	6	AX038516	AX038516 Sequence
c 132	14	0.6	25	6	AX042683	AX042683 Sequence
c 133	14	0.6	25	6	AX042689	AX042689 Sequence
c 134	14	0.6	25	6	AX043484	AX043484 Sequence
c 135	14	0.6	25	6	AX043486	AX043486 Sequence
c 136	14	0.6	25	6	AX043635	AX043635 Sequence
c 137	14	0.6	25	6	AX043690	AX043690 Sequence
c 138	14	0.6	25	6	AX043742	AX043742 Sequence
c 139	14	0.6	26	6	AR091143	AR091143 Sequence
c 140	14	0.6	26	6	AR198178	AR198178 Sequence
c 141	14	0.6	26	6	AR260332	AR260332 Sequence
142	14	0.6	26	6	AX449610	AX449610 Sequence
c 143	14	0.6	27	6	AR013905	AR013905 Sequence
c 144	14	0.6	27	6	AR033859	AR033859 Sequence
c 145	14	0.6	27	6	AR042519	AR042519 Sequence
c 146	14	0.6	27	6	AR058399	AR058399 Sequence
c 147	14	0.6	27	6	AR088225	AR088225 Sequence
c 148	14	0.6	27	6	AR102957	AR102957 Sequence
c 149	14	0.6	27	6	AR119603	AR119603 Sequence
c 150	14	0.6	27	6	AR153619	AR153619 Sequence
c 151	14	0.6	27	6	BD064701	BD064701 Liver fun
c 152	14	0.6	27	6	BD174170	BD174170 Periplast
c 153	14	0.6	27	6	BD174218	BD174218 Caspase 3
c 154	14	0.6	27	6	BD185097	BD185097 Caspase 3
c 155	14	0.6	27	6	BD185125	BD185125 Cell diff
c 156	14	0.6	27	6	I63606	I63606 Sequence 31
c 157	14	0.6	27	6	AR188100	AR188100 Sequence
c 158	14	0.6	27	6	AR353011	AR353011 Sequence
159	14	0.6	27	6	AX454980	AX454980 Sequence
c 160	14	0.6	27	6	BD011821	BD011821 Liver fun
161	14	0.6	28	6	AX277381	AX277381 Sequence
162	14	0.6	29	6	AR170350	AR170350 Sequence
c 163	14	0.6	29	6	BD178865	BD178865 Novel use
c 164	14	0.6	29	6	BD198119	BD198119 Method an
c 165	14	0.6	29	6	BD202333	BD202333 Method an
c 166	14	0.6	29	6	BD240955	BD240955 A novel h
c 167	14	0.6	29	6	BD253766	BD253766 Regulatio
c 168	14	0.6	29	6	CQ881727	CQ881727 Sequence
169	14	0.6	29	6	CQ881728	CQ881728 Sequence
c 170	14	0.6	29	6	AR437642	AR437642 Sequence
c 171	14	0.6	29	6	AR443246	AR443246 Sequence
172	14	0.6	30	6	A08032	A08032 Oligonucleo
c 173	14	0.6	30	6	A43129	A43129 Sequence 15
174	14	0.6	30	6	AR033996	AR033996 Sequence
175	14	0.6	30	6	AR124005	AR124005 Sequence
c 176	14	0.6	30	6	BD103767	BD103767 A method
c 177	14	0.6	30	6	BD250016	BD250016 Insect p5
c 178	14	0.6	30	6	CQ902843	CQ902843 Sequence
179	14	0.6	30	6	CQ902844	CQ902844 Sequence
c 180	14	0.6	30	6	CS052690	CS052690 Sequence
181	14	0.6	30	6	AR213436	AR213436 Sequence
182	14	0.6	30	6	AR408656	AR408656 Sequence
183	14	0.6	30	6	AR429835	AR429835 Sequence
c 184	14	0.6	30	6	AR569318	AR569318 Sequence
185	14	0.6	30	6	AR595911	AR595911 Sequence
186	14	0.6	30	6	AX098446	AX098446 Sequence
187	14	0.6	30	6	AX537726	AX537726 Sequence
188	14	0.6	30	6	AX934331	AX934331 Sequence
189	14	0.6	30	6	AX937954	AX937954 Sequence
190	14	0.6	30	6	BD015973	BD015973 Novel Tet
c 191	13	0.6	13	6	AR070536	AR070536 Sequence
c 192	13	0.6	13	6	AR166563	AR166563 Sequence
c 193	13	0.6	13	6	BD064912	BD064912 Method fo
c 194	13	0.6	13	6	BD188590	BD188590 Method fo
c 195	13	0.6	13	6	CQ875762	CQ875762 Sequence
c 196	13	0.6	13	6	AR374799	AR374799 Sequence
c 197	13	0.6	13	6	AR615455	AR615455 Sequence
c 198	13	0.6	13	6	AX085817	AX085817 Sequence
c 199	13	0.6	14	6	BD209389	BD209389 Enzymatic
200	13	0.6	15	6	AR055864	AR055864 Sequence
201	13	0.6	15	6	AR113622	AR113622 Sequence
202	13	0.6	15	6	AR133655	AR133655 Sequence
203	13	0.6	15	6	CS002016	CS002016 Sequence
204	13	0.6	15	6	I23532	I23532 Sequence 7
205	13	0.6	15	6	AR285736	AR285736 Sequence
206	13	0.6	15	6	AR397727	AR397727 Sequence
207	13	0.6	15	6	AR540777	AR540777 Sequence
208	13	0.6	15	6	AR613528	AR613528 Sequence
209	13	0.6	15	6	AR630606	AR630606 Sequence
210	13	0.6	15	6	AX632905	AX632905 Sequence
211	13	0.6	15	6	AX770827	AX770827 Sequence
c 212	13	0.6	15	11	ASE277781	AJ277781 Artificia
c 213	13	0.6	16	6	CQ786338	CQ786338 Sequence
c 214	13	0.6	16	6	AR329603	AR329603 Sequence
215	13	0.6	16	6	AR652058	AR652058 Sequence
c 216	13	0.6	17	6	A17236	A17236 Oligonucleo
c 217	13	0.6	17	6	AR027619	AR027619 Sequence
218	13	0.6	17	6	AR051160	AR051160 Sequence
c 219	13	0.6	17	6	AR051161	AR051161 Sequence
220	13	0.6	17	6	BD266353	BD266353 Universal
c 221	13	0.6	17	6	CQ617260	CQ617260 Sequence
c 222	13	0.6	17	6	CQ617261	CQ617261 Sequence
c 223	13	0.6	17	6	CQ617262	CQ617262 Sequence
c 224	13	0.6	17	6	CQ617263	CQ617263 Sequence
c 225	13	0.6	17	6	CQ617264	CQ617264 Sequence
c 226	13	0.6	17	6	CQ621599	CQ621599 Sequence
c 227	13	0.6	17	6	CQ621600	CQ621600 Sequence
c 228	13	0.6	17	6	CQ621601	CQ621601 Sequence
c 229	13	0.6	17	6	CQ621602	CQ621602 Sequence
c 230	13	0.6	17	6	CQ621603	CQ621603 Sequence
231	13	0.6	17	6	CQ625766	CQ625766 Sequence
232	13	0.6	17	6	CQ625767	CQ625767 Sequence
233	13	0.6	17	6	CQ625768	CQ625768 Sequence
234	13	0.6	17	6	CQ625769	CQ625769 Sequence
235	13	0.6	17	6	CQ625770	CQ625770 Sequence
236	13	0.6	17	6	I51720	I51720 Sequence 41
c 237	13	0.6	17	6	I51721	I51721 Sequence 42

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c 240	13	0.6	17	6	AR188422	AR188422	Sequence
241	13	0.6	17	6	AR192380	AR192380	Sequence
242	13	0.6	17	6	AR192381	AR192381	Sequence
243	13	0.6	17	6	AR286253	AR286253	Sequence
244	13	0.6	17	6	AR286316	AR286316	Sequence
c 245	13	0.6	17	6	AR324273	AR324273	Sequence
c 246	13	0.6	17	6	AR324274	AR324274	Sequence
c 247	13	0.6	17	6	AR324275	AR324275	Sequence
248	13	0.6	17	6	AR326249	AR326249	Sequence
249	13	0.6	17	6	AR326250	AR326250	Sequence
250	13	0.6	17	6	AR398243	AR398243	Sequence
251	13	0.6	17	6	AR398306	AR398306	Sequence
c 252	13	0.6	17	6	AR458323	AR458323	Sequence
c 253	13	0.6	17	6	AR458324	AR458324	Sequence
c 254	13	0.6	17	6	AR458325	AR458325	Sequence
c 255	13	0.6	17	6	AR458326	AR458326	Sequence
c 256	13	0.6	17	6	AR458327	AR458327	Sequence
c 257	13	0.6	17	6	AR462662	AR462662	Sequence
c 258	13	0.6	17	6	AR462663	AR462663	Sequence
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263	13	0.6	17	6	AR466830	AR466830	Sequence
264	13	0.6	17	6	AR466831	AR466831	Sequence
265	13	0.6	17	6	AR466832	AR466832	Sequence
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c 268	13	0.6	17	6	AR597734	AR597734	Sequence
c 269	13	0.6	17	6	AR597735	AR597735	Sequence
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271	13	0.6	17	6	AR599710	AR599710	Sequence
272	13	0.6	17	6	AR649301	AR649301	Sequence
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c 274	13	0.6	17	6	AX272791	AX272791	Sequence
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281	13	0.6	17	6	AX530941	AX530941	Sequence
282	13	0.6	17	6	AX530942	AX530942	Sequence
283	13	0.6	17	6	AX530943	AX530943	Sequence
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287	13	0.6	17	6	AX578872	AX578872	Sequence
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c 291	13	0.6	17	6	AX687548	AX687548	Sequence
c 292	13	0.6	17	6	AX687549	AX687549	Sequence
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c 300	13	0.6	17	6	AX688444	AX688444	Sequence
c 301	13	0.6	17	6	AX688445	AX688445	Sequence
c 302	13	0.6	17	6	AX688446	AX688446	Sequence
c 303	13	0.6	17	6	AX688447	AX688447	Sequence
c 304	13	0.6	17	6	AX722743	AX722743	Sequence
305	13	0.6	17	6	AX725485	AX725485	Sequence
c 306	13	0.6	17	6	AX729692	AX729692	Sequence
c 307	13	0.6	17	6	AX730016	AX730016	Sequence
308	13	0.6	17	6	AX731272	AX731272	Sequence
309	13	0.6	17	6	AX733904	AX733904	Sequence
310	13	0.6	17	6	AX734536	AX734536	Sequence
311	13	0.6	17	6	AX759166	AX759166	Sequence
c 312	13	0.6	17	6	AX760843	AX760843	Sequence
313	13	0.6	18	6	A41216	A41216	Sequence 34
314	13	0.6	18	6	AR042299	AR042299	Sequence
315	13	0.6	18	6	AR110199	AR110199	Sequence
316	13	0.6	18	6	AR134262	AR134262	Sequence
317	13	0.6	18	6	BD088981	BD088981	A method
318	13	0.6	18	6	CQ799858	CQ799858	Sequence
c 319	13	0.6	18	6	CQ855687	CQ855687	Sequence
c 320	13	0.6	18	6	CQ868186	CQ868186	Sequence
321	13	0.6	18	6	CQ881529	CQ881529	Sequence
322	13	0.6	18	6	CS006867	CS006867	Sequence
323	13	0.6	18	6	I18341	I18341	Sequence 14
c 324	13	0.6	18	6	I65329	I65329	Sequence 51
c 325	13	0.6	18	6	AR215647	AR215647	Sequence
326	13	0.6	18	6	AR257454	AR257454	Sequence
c 327	13	0.6	18	6	AR266251	AR266251	Sequence
328	13	0.6	18	6	AR292377	AR292377	Sequence
329	13	0.6	18	6	AR294106	AR294106	Sequence
c 330	13	0.6	18	6	AR302813	AR302813	Sequence
331	13	0.6	18	6	AR302814	AR302814	Sequence
c 332	13	0.6	18	6	AR351536	AR351536	Sequence
333	13	0.6	18	6	AX637756	AX637756	Sequence
334	13	0.6	18	11	AB068916	AB068916	Synthetic
c 335	13	0.6	19	6	BD128643	BD128643	OSF2/CBFA
c 336	13	0.6	19	6	CQ961063	CQ961063	Sequence
337	13	0.6	19	6	CQ962714	CQ962714	Sequence
338	13	0.6	19	6	CQ987676	CQ987676	Sequence
c 339	13	0.6	19	6	CQ988001	CQ988001	Sequence
340	13	0.6	19	6	CS014295	CS014295	Sequence
341	13	0.6	19	6	CS014723	CS014723	Sequence
c 342	13	0.6	19	6	CS015137	CS015137	Sequence
c 343	13	0.6	19	6	CS050371	CS050371	Sequence
c 344	13	0.6	19	6	CS091435	CS091435	Sequence
345	13	0.6	19	6	CS091521	CS091521	Sequence
346	13	0.6	19	6	CS091987	CS091987	Sequence
c 347	13	0.6	19	6	CS092161	CS092161	Sequence
c 348	13	0.6	19	6	CS092946	CS092946	Sequence
c 349	13	0.6	19	6	CS093153	CS093153	Sequence
350	13	0.6	19	6	CS093253	CS093253	Sequence
351	13	0.6	19	6	CS093460	CS093460	Sequence
352	13	0.6	19	6	CS128941	CS128941	Sequence
353	13	0.6	19	6	CS132214	CS132214	Sequence
354	13	0.6	19	6	E31786	E31786	Trichothece
c 355	13	0.6	19	6	AR280297	AR280297	Sequence
c 356	13	0.6	19	6	AR296492	AR296492	Sequence
357	13	0.6	19	6	AR381116	AR381116	Sequence
c 358	13	0.6	19	6	AR541595	AR541595	Sequence
359	13	0.6	19	6	AR572629	AR572629	Sequence
c 360	13	0.6	19	6	AX103715	AX103715	Sequence
361	13	0.6	19	6	AX130739	AX130739	Sequence
c 362	13	0.6	19	6	AX557192	AX557192	Sequence
363	13	0.6	20	6	AR008125	AR008125	Sequence
364	13	0.6	20	6	AR031035	AR031035	Sequence
365	13	0.6	20	6	AR087810	AR087810	Sequence
366	13	0.6	20	6	AR098959	AR098959	Sequence
c 367	13	0.6	20	6	AR112675	AR112675	Sequence
368	13	0.6	20	6	AR126653	AR126653	Sequence
c 369	13	0.6	20	6	AR178932	AR178932	Sequence
370	13	0.6	20	6	BD085302	BD085302	DNA-based
c 371	13	0.6	20	6	BD089402	BD089402	A method
372	13	0.6	20	6	BD089706	BD089706	A method
c 373	13	0.6	20	6	BD124081	BD124081	Novel nuc
374	13	0.6	20	6	BD178308	BD178308	Method of
375	13	0.6	20	6	BD191361	BD191361	DNA-based
c 376	13	0.6	20	6	BD225117	BD225117	Antisense
c 377	13	0.6	20	6	CQ796866	CQ796866	Sequence
378	13	0.6	20	6	CQ859868	CQ859868	Sequence
379	13	0.6	20	6	CQ890842	CQ890842	Sequence
c 380	13	0.6	20	6	CQ943686	CQ943686	Sequence
381	13	0.6	20	6	CS011730	CS011730	Sequence
382	13	0.6	20	6	CS013759	CS013759	Sequence
c 383	13	0.6	20	6	CS037972	CS037972	Sequence

384	13	0.6	20	6	CS063757	CS063757 Sequence
c 385	13	0.6	20	6	CS080287	CS080287 Sequence
c 386	13	0.6	20	6	E35998	E35998 Method for
387	13	0.6	20	6	I18340	I18340 Sequence 13
c 388	13	0.6	20	6	I23915	I23915 Sequence 17
389	13	0.6	20	6	I79799	I79799 Sequence 95
390	13	0.6	20	6	AR198318	AR198318 Sequence
391	13	0.6	20	6	AR201013	AR201013 Sequence
392	13	0.6	20	6	AR215758	AR215758 Sequence
393	13	0.6	20	6	AR260462	AR260462 Sequence
394	13	0.6	20	6	AR281458	AR281458 Sequence
395	13	0.6	20	6	AR298716	AR298716 Sequence
c 396	13	0.6	20	6	AR299474	AR299474 Sequence
c 397	13	0.6	20	6	AR311409	AR311409 Sequence
398	13	0.6	20	6	AR313528	AR313528 Sequence
c 399	13	0.6	20	6	AR338214	AR338214 Sequence
c 400	13	0.6	20	6	AR437330	AR437330 Sequence
401	13	0.6	20	6	AR492657	AR492657 Sequence
402	13	0.6	20	6	AR565345	AR565345 Sequence
c 403	13	0.6	20	6	AR637323	AR637323 Sequence
404	13	0.6	20	6	AR648970	AR648970 Sequence
405	13	0.6	20	6	AR658034	AR658034 Sequence
406	13	0.6	20	6	AR670014	AR670014 Sequence
c 407	13	0.6	20	6	AX022493	AX022493 Sequence
c 408	13	0.6	20	6	AX287113	AX287113 Sequence
c 409	13	0.6	20	6	AX294780	AX294780 Sequence
410	13	0.6	20	6	AX295881	AX295881 Sequence
411	13	0.6	20	6	AX297393	AX297393 Sequence
412	13	0.6	20	6	AX323431	AX323431 Sequence
413	13	0.6	20	6	AX391895	AX391895 Sequence
414	13	0.6	20	6	AX398988	AX398988 Sequence
c 415	13	0.6	20	6	AX488039	AX488039 Sequence
416	13	0.6	20	6	AX488111	AX488111 Sequence
417	13	0.6	20	6	AX686573	AX686573 Sequence
418	13	0.6	20	6	AX713186	AX713186 Sequence
c 419	13	0.6	20	6	AX720325	AX720325 Sequence
420	13	0.6	20	6	AX743216	AX743216 Sequence
421	13	0.6	20	6	AX804700	AX804700 Sequence
422	13	0.6	20	11	AB068381	AB068381 Synthetic
423	13	0.6	21	6	A04902	A04902 Nucleotide
c 424	13	0.6	21	6	A24804	A24804 Artifical D
c 425	13	0.6	21	6	AR011684	AR011684 Sequence
426	13	0.6	21	6	AR087531	AR087531 Sequence
c 427	13	0.6	21	6	AR162878	AR162878 Sequence
c 428	13	0.6	21	6	BD090904	BD090904 Novel pro
c 429	13	0.6	21	6	BD101911	BD101911 Novel pro
c 430	13	0.6	21	6	BD133342	BD133342 Method fo
431	13	0.6	21	6	BD233803	BD233803 Polynucle
c 432	13	0.6	21	6	CQ753117	CQ753117 Sequence
c 433	13	0.6	21	6	CQ918120	CQ918120 Sequence
c 434	13	0.6	21	6	CQ984441	CQ984441 Sequence
c 435	13	0.6	21	6	CQ984442	CQ984442 Sequence
436	13	0.6	21	6	CQ984443	CQ984443 Sequence
437	13	0.6	21	6	CS053369	CS053369 Sequence
438	13	0.6	21	6	CS055718	CS055718 Sequence
439	13	0.6	21	6	CS068931	CS068931 Sequence
c 440	13	0.6	21	6	I29105	I29105 Sequence 26
441	13	0.6	21	6	I34852	I34852 Sequence 45
c 442	13	0.6	21	6	I73494	I73494 Sequence 7
c 443	13	0.6	21	6	AR194028	AR194028 Sequence
c 444	13	0.6	21	6	AR228170	AR228170 Sequence
445	13	0.6	21	6	AR281757	AR281757 Sequence
446	13	0.6	21	6	AR298690	AR298690 Sequence
c 447	13	0.6	21	6	AX038512	AX038512 Sequence
c 448	13	0.6	21	6	AX350236	AX350236 Sequence
449	13	0.6	21	6	AX572964	AX572964 Sequence
c 450	13	0.6	21	6	AX956363	AX956363 Sequence
451	13	0.6	22	6	A01313	A01313 H.sapiens r
c 452	13	0.6	22	6	A01314	A01314 H.sapiens r
c 453	13	0.6	22	6	A44397	A44397 Sequence 27
454	13	0.6	22	6	A46761	A46761 Sequence 1
455	13	0.6	22	6	AR016201	AR016201 Sequence
456	13	0.6	22	6	AR019199	AR019199 Sequence
457	13	0.6	22	6	AR034120	AR034120 Sequence
458	13	0.6	22	6	AR038917	AR038917 Sequence
c 459	13	0.6	22	6	AR059535	AR059535 Sequence
c 460	13	0.6	22	6	AR141347	AR141347 Sequence
c 461	13	0.6	22	6	AR169501	AR169501 Sequence
c 462	13	0.6	22	6	BD087250	BD087250 Hyalurona
c 463	13	0.6	22	6	BD232872	BD232872 Diagnosti
c 464	13	0.6	22	6	CS104914	CS104914 Sequence
465	13	0.6	22	6	CS113628	CS113628 Sequence
c 466	13	0.6	22	6	AR193523	AR193523 Sequence
c 467	13	0.6	22	6	AR224993	AR224993 Sequence
c 468	13	0.6	22	6	AR233425	AR233425 Sequence
469	13	0.6	22	6	AR233505	AR233505 Sequence
c 470	13	0.6	22	6	AR303847	AR303847 Sequence
c 471	13	0.6	22	6	AR349810	AR349810 Sequence
c 472	13	0.6	22	6	AR616920	AR616920 Sequence
c 473	13	0.6	22	6	AX039719	AX039719 Sequence
c 474	13	0.6	22	6	AX045433	AX045433 Sequence
c 475	13	0.6	22	6	AX259649	AX259649 Sequence
c 476	13	0.6	22	6	AX259650	AX259650 Sequence
c 477	13	0.6	22	6	AX259651	AX259651 Sequence
478	13	0.6	22	6	AX259652	AX259652 Sequence
479	13	0.6	22	6	AX259653	AX259653 Sequence
480	13	0.6	22	6	AX259667	AX259667 Sequence
c 481	13	0.6	22	6	AX298937	AX298937 Sequence
c 482	13	0.6	22	6	AX462808	AX462808 Sequence
c 483	13	0.6	22	6	AX497429	AX497429 Sequence
484	13	0.6	22	6	AX686740	AX686740 Sequence
485	13	0.6	22	6	AX828116	AX828116 Sequence
c 486	13	0.6	22	6	BD009042	BD009042 Mitochond
487	13	0.6	22	11	AB213724	AB213724 Synthetic
488	13	0.6	23	6	BD141563	BD141563 Method fo
489	13	0.6	23	6	BD176059	BD176059 Method fo
c 490	13	0.6	23	6	CQ771471	CQ771471 Sequence
491	13	0.6	23	6	CQ903138	CQ903138 Sequence
c 492	13	0.6	23	6	AR594910	AR594910 Sequence
c 493	13	0.6	23	6	AX015643	AX015643 Sequence
494	13	0.6	23	6	AX015646	AX015646 Sequence
c 495	13	0.6	23	6	AX020579	AX020579 Sequence
c 496	13	0.6	23	6	AX384654	AX384654 Sequence
c 497	13	0.6	24	6	A30834	A30834 Oligonucleo
c 498	13	0.6	24	6	AR025322	AR025322 Sequence
c 499	13	0.6	24	6	AR044644	AR044644 Sequence
c 500	13	0.6	24	6	AR052098	AR052098 Sequence
c 501	13	0.6	24	6	AR069189	AR069189 Sequence
c 502	13	0.6	24	6	AR102700	AR102700 Sequence
c 503	13	0.6	24	6	AR102716	AR102716 Sequence
c 504	13	0.6	24	6	AR110436	AR110436 Sequence
c 505	13	0.6	24	6	AR168790	AR168790 Sequence
c 506	13	0.6	24	6	CS122153	CS122153 Sequence
c 507	13	0.6	24	6	E36657	E36657 DNA and pla
c 508	13	0.6	24	6	E39905	E39905 High-affini
509	13	0.6	24	6	E39906	E39906 High-affini
510	13	0.6	24	6	E40553	E40553 Novel serin
c 511	13	0.6	24	6	E43932	E43932 IL-6 recept
c 512	13	0.6	24	6	I27784	I27784 Sequence 16
513	13	0.6	24	6	I28237	I28237 Sequence 13
c 514	13	0.6	24	6	I64407	I64407 Sequence 23
c 515	13	0.6	24	6	I86333	I86333 Sequence 68
516	13	0.6	24	6	AR195000	AR195000 Sequence
c 517	13	0.6	24	6	AR200259	AR200259 Sequence
c 518	13	0.6	24	6	AR236547	AR236547 Sequence
519	13	0.6	24	6	AR236548	AR236548 Sequence
c 520	13	0.6	24	6	AR262391	AR262391 Sequence
521	13	0.6	24	6	AR267708	AR267708 Sequence
c 522	13	0.6	24	6	AR279191	AR279191 Sequence
c 523	13	0.6	24	6	AR360718	AR360718 Sequence
c 524	13	0.6	24	6	AR364575	AR364575 Sequence
c 525	13	0.6	24	6	AR534681	AR534681 Sequence
c 526	13	0.6	24	6	AR576365	AR576365 Sequence
c 527	13	0.6	24	6	AR652471	AR652471 Sequence
c 528	13	0.6	24	6	AX004271	AX004271 Sequence
c 529	13	0.6	24	6	AX290147	AX290147 Sequence

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532	13	0.6	24	6	AX493377	AX493377	Sequence
c 533	13	0.6	24	6	AX962286	AX962286	Sequence
c 534	13	0.6	24	11	AB214014	AB214014	Synthetic
535	13	0.6	25	6	AR080092	AR080092	Sequence
c 536	13	0.6	25	6	AR091114	AR091114	Sequence
c 537	13	0.6	25	6	AR103085	AR103085	Sequence
538	13	0.6	25	6	AR123845	AR123845	Sequence
c 539	13	0.6	25	6	AR139701	AR139701	Sequence
c 540	13	0.6	25	6	AR146085	AR146085	Sequence
c 541	13	0.6	25	6	AR148423	AR148423	Sequence
c 542	13	0.6	25	6	AR169859	AR169859	Sequence
543	13	0.6	25	6	BD133095	BD133095	Novel hum
c 544	13	0.6	25	6	CQ620189	CQ620189	Sequence
c 545	13	0.6	25	6	CQ620190	CQ620190	Sequence
c 546	13	0.6	25	6	CQ620191	CQ620191	Sequence
c 547	13	0.6	25	6	CQ620192	CQ620192	Sequence
c 548	13	0.6	25	6	CQ620193	CQ620193	Sequence
c 549	13	0.6	25	6	CQ620194	CQ620194	Sequence
c 550	13	0.6	25	6	CQ620195	CQ620195	Sequence
c 551	13	0.6	25	6	CQ620196	CQ620196	Sequence
c 552	13	0.6	25	6	CQ620197	CQ620197	Sequence
c 553	13	0.6	25	6	CQ620198	CQ620198	Sequence
c 554	13	0.6	25	6	CQ620199	CQ620199	Sequence
c 555	13	0.6	25	6	CQ620200	CQ620200	Sequence
c 556	13	0.6	25	6	CQ620201	CQ620201	Sequence
c 557	13	0.6	25	6	CQ626491	CQ626491	Sequence
c 558	13	0.6	25	6	CQ626492	CQ626492	Sequence
c 559	13	0.6	25	6	CQ626493	CQ626493	Sequence
c 560	13	0.6	25	6	CQ626494	CQ626494	Sequence
c 561	13	0.6	25	6	CQ626495	CQ626495	Sequence
c 562	13	0.6	25	6	CQ626496	CQ626496	Sequence
c 563	13	0.6	25	6	CQ626497	CQ626497	Sequence
c 564	13	0.6	25	6	CQ626498	CQ626498	Sequence
c 565	13	0.6	25	6	CQ626499	CQ626499	Sequence
c 566	13	0.6	25	6	CQ626500	CQ626500	Sequence
c 567	13	0.6	25	6	CQ626501	CQ626501	Sequence
c 568	13	0.6	25	6	CQ626502	CQ626502	Sequence
c 569	13	0.6	25	6	CQ626503	CQ626503	Sequence
570	13	0.6	25	6	CQ630658	CQ630658	Sequence
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575	13	0.6	25	6	CQ630663	CQ630663	Sequence
576	13	0.6	25	6	CQ630664	CQ630664	Sequence
577	13	0.6	25	6	CQ630665	CQ630665	Sequence
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579	13	0.6	25	6	CQ630667	CQ630667	Sequence
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581	13	0.6	25	6	CQ630669	CQ630669	Sequence
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583	13	0.6	25	6	CQ863733	CQ863733	Sequence
c 584	13	0.6	25	6	CQ866286	CQ866286	Sequence
c 585	13	0.6	25	6	E08576	E08576	Synthetic D
586	13	0.6	25	6	E17210	E17210	PCR primer
c 587	13	0.6	25	6	I28797	I28797	Sequence 8
588	13	0.6	25	6	I29973	I29973	Sequence 5
c 589	13	0.6	25	6	I36308	I36308	Sequence 7
590	13	0.6	25	6	AR179925	AR179925	Sequence
c 591	13	0.6	25	6	AR198149	AR198149	Sequence
c 592	13	0.6	25	6	AR210039	AR210039	Sequence
c 593	13	0.6	25	6	AR235638	AR235638	Sequence
c 594	13	0.6	25	6	AR260303	AR260303	Sequence
c 595	13	0.6	25	6	AR391880	AR391880	Sequence
c 596	13	0.6	25	6	AR452033	AR452033	Sequence
c 597	13	0.6	25	6	AR461252	AR461252	Sequence
c 598	13	0.6	25	6	AR461253	AR461253	Sequence
c 599	13	0.6	25	6	AR461254	AR461254	Sequence
c 600	13	0.6	25	6	AR461255	AR461255	Sequence
c 601	13	0.6	25	6	AR461256	AR461256	Sequence
c 602	13	0.6	25	6	AR461257	AR461257	Sequence
c 603	13	0.6	25	6	AR461258	AR461258	Sequence
c 604	13	0.6	25	6	AR461259	AR461259	Sequence
c 605	13	0.6	25	6	AR461260	AR461260	Sequence
c 606	13	0.6	25	6	AR461261	AR461261	Sequence
c 607	13	0.6	25	6	AR461262	AR461262	Sequence
c 608	13	0.6	25	6	AR461263	AR461263	Sequence
c 609	13	0.6	25	6	AR461264	AR461264	Sequence
c 610	13	0.6	25	6	AR467554	AR467554	Sequence
c 611	13	0.6	25	6	AR467555	AR467555	Sequence
c 612	13	0.6	25	6	AR467556	AR467556	Sequence
c 613	13	0.6	25	6	AR467557	AR467557	Sequence
c 614	13	0.6	25	6	AR467558	AR467558	Sequence
c 615	13	0.6	25	6	AR467559	AR467559	Sequence
c 616	13	0.6	25	6	AR467560	AR467560	Sequence
c 617	13	0.6	25	6	AR467561	AR467561	Sequence
c 618	13	0.6	25	6	AR467562	AR467562	Sequence
c 619	13	0.6	25	6	AR467563	AR467563	Sequence
c 620	13	0.6	25	6	AR467564	AR467564	Sequence
c 621	13	0.6	25	6	AR467565	AR467565	Sequence
c 622	13	0.6	25	6	AR467566	AR467566	Sequence
623	13	0.6	25	6	AR471721	AR471721	Sequence
624	13	0.6	25	6	AR471722	AR471722	Sequence
625	13	0.6	25	6	AR471723	AR471723	Sequence
626	13	0.6	25	6	AR471724	AR471724	Sequence
627	13	0.6	25	6	AR471725	AR471725	Sequence
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632	13	0.6	25	6	AR471730	AR471730	Sequence
633	13	0.6	25	6	AR471731	AR471731	Sequence
634	13	0.6	25	6	AR471732	AR471732	Sequence
635	13	0.6	25	6	AR471733	AR471733	Sequence
636	13	0.6	25	6	AR595644	AR595644	Sequence
c 637	13	0.6	25	6	AX042554	AX042554	Sequence
c 638	13	0.6	25	6	AX042589	AX042589	Sequence
c 639	13	0.6	25	6	AX042983	AX042983	Sequence
c 640	13	0.6	25	6	AX043087	AX043087	Sequence
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c 643	13	0.6	25	6	AX043214	AX043214	Sequence
c 644	13	0.6	25	6	AX043225	AX043225	Sequence
c 645	13	0.6	25	6	AX043290	AX043290	Sequence
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647	13	0.6	25	6	AX116020	AX116020	Sequence
c 648	13	0.6	25	6	AX116444	AX116444	Sequence
c 649	13	0.6	25	6	AX150241	AX150241	Sequence
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656	13	0.6	25	6	AX533008	AX533008	Sequence
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663	13	0.6	25	6	AX609273	AX609273	Sequence
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c 665	13	0.6	25	6	AX609942	AX609942	Sequence
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c 672	13	0.6	25	6	AX689046	AX689046	Sequence
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686	13	0.6	25	6	AX689602	AX689602 Sequence
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c 700	13	0.6	25	6	AX689945	AX689945 Sequence
c 701	13	0.6	25	6	AX689946	AX689946 Sequence
c 702	13	0.6	25	6	AX689947	AX689947 Sequence
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c 704	13	0.6	25	6	AX689949	AX689949 Sequence
c 705	13	0.6	25	6	AX689950	AX689950 Sequence
c 706	13	0.6	25	6	AX689951	AX689951 Sequence
c 707	13	0.6	25	6	AX689952	AX689952 Sequence
708	13	0.6	25	6	AX937329	AX937329 Sequence
709	13	0.6	26	6	A27986	A27986 Human CNTF
710	13	0.6	26	6	A32153	A32153 Synthetic r
c 711	13	0.6	26	6	AR043551	AR043551 Sequence
c 712	13	0.6	26	6	AR043553	AR043553 Sequence
713	13	0.6	26	6	BD124562	BD124562 Human tum
714	13	0.6	26	6	BD189533	BD189533 Method of
715	13	0.6	26	6	BD189537	BD189537 Method of
716	13	0.6	26	6	BD271803	BD271803 Human tum
717	13	0.6	26	6	CQ767679	CQ767679 Sequence
c 718	13	0.6	26	6	CQ778047	CQ778047 Sequence
719	13	0.6	26	6	CQ976262	CQ976262 Sequence
c 720	13	0.6	26	6	CS015996	CS015996 Sequence
c 721	13	0.6	26	6	CS027520	CS027520 Sequence
c 722	13	0.6	26	6	CS121555	CS121555 Sequence
723	13	0.6	26	6	AR200585	AR200585 Sequence
724	13	0.6	26	6	AR441945	AR441945 Sequence
725	13	0.6	26	6	AX055405	AX055405 Sequence
726	13	0.6	26	6	AX055747	AX055747 Sequence
c 727	13	0.6	26	6	AX103778	AX103778 Sequence
c 728	13	0.6	26	6	AX329091	AX329091 Sequence
c 729	13	0.6	26	6	AX466855	AX466855 Sequence
c 730	13	0.6	26	6	AX805616	AX805616 Sequence
731	13	0.6	26	6	BD017635	BD017635 Method fo
732	13	0.6	26	6	BD017639	BD017639 Method fo
733	13	0.6	27	6	A50770	A50770 Sequence 25
c 734	13	0.6	27	6	A50771	A50771 Sequence 26
c 735	13	0.6	27	6	A83883	A83883 Sequence 18
736	13	0.6	27	6	AR070269	AR070269 Sequence
c 737	13	0.6	27	6	AR070270	AR070270 Sequence
738	13	0.6	27	6	AR164392	AR164392 Sequence
739	13	0.6	27	6	AR168760	AR168760 Sequence
c 740	13	0.6	27	6	BD084618	BD084618 Human rec
741	13	0.6	27	6	BD189521	BD189521 Method of
c 742	13	0.6	27	6	BD206874	BD206874 Enzymatic
c 743	13	0.6	27	6	BD208099	BD208099 Enzymatic
c 744	13	0.6	27	6	CQ755189	CQ755189 Sequence
c 745	13	0.6	27	6	CS080498	CS080498 Sequence
c 746	13	0.6	27	6	E00584	E00584 DNA encodin
c 747	13	0.6	27	6	I07895	I07895 Sequence 3
748	13	0.6	27	6	AR205527	AR205527 Sequence
749	13	0.6	27	6	AR275169	AR275169 Sequence
c 750	13	0.6	27	6	AR275170	AR275170 Sequence
c 751	13	0.6	27	6	AR340250	AR340250 Sequence
c 752	13	0.6	27	6	AR343537	AR343537 Sequence
753	13	0.6	27	6	AR381444	AR381444 Sequence
754	13	0.6	27	6	AR391948	AR391948 Sequence
755	13	0.6	27	6	AX022989	AX022989 Sequence
756	13	0.6	27	6	AX076544	AX076544 Sequence
c 757	13	0.6	27	6	AX593013	AX593013 Sequence
c 758	13	0.6	27	6	AX614617	AX614617 Sequence
759	13	0.6	27	6	BD017623	BD017623 Method fo
760	13	0.6	27	8	S90296S1	S90296 (deletion 5
761	13	0.6	28	6	A59064	A59064 Sequence 5
c 762	13	0.6	28	6	AR099218	AR099218 Sequence
c 763	13	0.6	28	6	BD136606	BD136606 Therapeut
c 764	13	0.6	28	6	CQ800310	CQ800310 Sequence
765	13	0.6	28	6	CQ967528	CQ967528 Sequence
766	13	0.6	28	6	CS016089	CS016089 Sequence
767	13	0.6	28	6	E05486	E05486 PCR primer.
c 768	13	0.6	28	6	I18868	I18868 Sequence 14
c 769	13	0.6	28	6	I36794	I36794 Sequence 14
c 770	13	0.6	28	6	I55998	I55998 Sequence 14
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c 773	13	0.6	28	6	AR301821	AR301821 Sequence
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c 775	13	0.6	28	6	AR361868	AR361868 Sequence
c 776	13	0.6	28	6	AR443270	AR443270 Sequence
c 777	13	0.6	28	6	AR475845	AR475845 Sequence
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779	13	0.6	28	6	AR659112	AR659112 Sequence
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c 781	13	0.6	28	6	AX025073	AX025073 Sequence
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c 784	13	0.6	28	6	AX591374	AX591374 Sequence
c 785	13	0.6	28	6	AX591519	AX591519 Sequence
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c 787	13	0.6	28	6	BD001912	BD001912 Remedy of
c 788	13	0.6	29	6	A72117	A72117 Sequence 72
789	13	0.6	29	6	AR011876	AR011876 Sequence
c 790	13	0.6	29	6	AR079042	AR079042 Sequence
c 791	13	0.6	29	6	BD133039	BD133039 Mammalian
792	13	0.6	29	6	BD190788	BD190788 Secreted
c 793	13	0.6	29	6	BD190896	BD190896 Secreted
c 794	13	0.6	29	6	BD198278	BD198278 Method an
c 795	13	0.6	29	6	BD198430	BD198430 Method an
c 796	13	0.6	29	6	BD199562	BD199562 Method an
c 797	13	0.6	29	6	BD199918	BD199918 Method an
c 798	13	0.6	29	6	BD202078	BD202078 Method an
c 799	13	0.6	29	6	BD202556	BD202556 Method an
c 800	13	0.6	29	6	BD240957	BD240957 A novel h
c 801	13	0.6	29	6	BD258641	BD258641 Regulatio
c 802	13	0.6	29	6	CQ847688	CQ847688 Sequence
c 803	13	0.6	29	6	CQ847694	CQ847694 Sequence
c 804	13	0.6	29	6	CS078202	CS078202 Sequence
c 805	13	0.6	29	6	CS078218	CS078218 Sequence
c 806	13	0.6	29	6	CS114680	CS114680 Sequence
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c 812	13	0.6	29	6	AR285434	AR285434 Sequence
c 813	13	0.6	29	6	AR304093	AR304093 Sequence
c 814	13	0.6	29	6	AR406124	AR406124 Sequence
c 815	13	0.6	29	6	AR437644	AR437644 Sequence
816	13	0.6	29	6	AX099607	AX099607 Sequence
c 817	13	0.6	29	6	AX138300	AX138300 Sequence
818	13	0.6	29	6	AX455422	AX455422 Sequence
c 819	13	0.6	29	6	BD001733	BD001733 Process f
c 820	13	0.6	29	6	BD003109	BD003109 Inhibitor
821	13	0.6	30	6	A50768	A50768 Sequence 23

c 822	13	0.6	30	6	A50769	A50769 Sequence 24
823	13	0.6	30	6	AR070267	AR070267 Sequence
c 824	13	0.6	30	6	AR070268	AR070268 Sequence
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826	13	0.6	30	6	AR125806	AR125806 Sequence
827	13	0.6	30	6	AR146094	AR146094 Sequence
828	13	0.6	30	6	AR172395	AR172395 Sequence
c 829	13	0.6	30	6	BD094880	BD094880 Novel pro
830	13	0.6	30	6	BD095034	BD095034 Transgeni
c 831	13	0.6	30	6	BD141257	BD141257 Isopenten
832	13	0.6	30	6	CQ856885	CQ856885 Sequence
833	13	0.6	30	6	CS015794	CS015794 Sequence
c 834	13	0.6	30	6	E33894	E33894 Novel therm
c 835	13	0.6	30	6	E49288	E49288 Novel promo
836	13	0.6	30	6	I28798	I28798 Sequence 9
837	13	0.6	30	6	I28808	I28808 Sequence 30
838	13	0.6	30	6	I28810	I28810 Sequence 34
839	13	0.6	30	6	I28812	I28812 Sequence 38
840	13	0.6	30	6	I28814	I28814 Sequence 42
841	13	0.6	30	6	I47218	I47218 Sequence 14
842	13	0.6	30	6	AR275167	AR275167 Sequence
c 843	13	0.6	30	6	AR275168	AR275168 Sequence
844	13	0.6	30	6	AR562675	AR562675 Sequence
c 845	13	0.6	30	6	AR658472	AR658472 Sequence
846	13	0.6	30	6	AX320318	AX320318 Sequence
c 847	13	0.6	30	6	AX338660	AX338660 Sequence
848	13	0.6	30	6	AX576962	AX576962 Sequence
849	13	0.6	30	6	AX611221	AX611221 Sequence
c 850	13	0.6	30	6	AX790989	AX790989 Sequence
851	13	0.6	30	6	AX791196	AX791196 Sequence
852	13	0.6	30	6	AX791892	AX791892 Sequence
853	12	0.5	12	6	A71536	A71536 Sequence 95
854	12	0.5	13	6	I17481	I17481 Sequence 9
855	12	0.5	13	6	AR285735	AR285735 Sequence
856	12	0.5	13	6	AR397726	AR397726 Sequence
857	12	0.5	13	6	AX104604	AX104604 Sequence
858	12	0.5	13	6	AX355422	AX355422 Sequence
859	12	0.5	13	6	AX547657	AX547657 Sequence
c 860	12	0.5	14	6	BD176793	BD176793 Method of
c 861	12	0.5	14	6	BD197859	BD197859 Method an
862	12	0.5	14	6	BD203583	BD203583 Method an
c 863	12	0.5	14	6	BD209410	BD209410 Enzymatic
864	12	0.5	14	6	AR363706	AR363706 Sequence
865	12	0.5	14	6	AR363707	AR363707 Sequence
866	12	0.5	14	6	AX572235	AX572235 Sequence
c 867	12	0.5	15	6	A12791	A12791 oligonucleo
868	12	0.5	15	6	A14749	A14749 Nucleotide
869	12	0.5	15	6	A64275	A64275 Sequence 63
c 870	12	0.5	15	6	A88353	A88353 Sequence 50
871	12	0.5	15	6	A89151	A89151 Sequence 12
c 872	12	0.5	15	6	A90320	A90320 Sequence 50
873	12	0.5	15	6	AR024136	AR024136 Sequence
874	12	0.5	15	6	AR041464	AR041464 Sequence
875	12	0.5	15	6	AR041883	AR041883 Sequence
876	12	0.5	15	6	AR041884	AR041884 Sequence
877	12	0.5	15	6	AR053756	AR053756 Sequence
878	12	0.5	15	6	AR055866	AR055866 Sequence
c 879	12	0.5	15	6	AR086101	AR086101 Sequence
880	12	0.5	15	6	AR102574	AR102574 Sequence
881	12	0.5	15	6	AR113624	AR113624 Sequence
882	12	0.5	15	6	AR128938	AR128938 Sequence
c 883	12	0.5	15	6	AR132787	AR132787 Sequence
884	12	0.5	15	6	AR132798	AR132798 Sequence
c 885	12	0.5	15	6	BD065866	BD065866 An antise
886	12	0.5	15	6	BD066664	BD066664 An antise
c 887	12	0.5	15	6	BD247284	BD247284 Method fo
888	12	0.5	15	6	CS002020	CS002020 Sequence
889	12	0.5	15	6	CS006002	CS006002 Sequence
890	12	0.5	15	6	CS006427	CS006427 Sequence
891	12	0.5	15	6	CS006429	CS006429 Sequence
c 892	12	0.5	15	6	E11983	E11983 Oligonucleo
c 893	12	0.5	15	6	I35103	I35103 Sequence 71
c 894	12	0.5	15	6	I35263	I35263 Sequence 23
895	12	0.5	15	6	AR224355	AR224355 Sequence
c 896	12	0.5	15	6	AR235555	AR235555 Sequence
897	12	0.5	15	6	AR262877	AR262877 Sequence
898	12	0.5	15	6	AR490407	AR490407 Sequence
899	12	0.5	15	6	AR560402	AR560402 Sequence
900	12	0.5	15	6	AR615905	AR615905 Sequence
901	12	0.5	15	6	AX252504	AX252504 Sequence
902	12	0.5	15	6	AX572230	AX572230 Sequence
903	12	0.5	15	6	AX572231	AX572231 Sequence
904	12	0.5	15	6	AX572233	AX572233 Sequence
905	12	0.5	15	6	AX572236	AX572236 Sequence
906	12	0.5	15	6	AX632909	AX632909 Sequence
907	12	0.5	15	6	AX636891	AX636891 Sequence
908	12	0.5	15	6	AX637316	AX637316 Sequence
909	12	0.5	15	6	AX637318	AX637318 Sequence
910	12	0.5	15	6	AX711098	AX711098 Sequence
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914	12	0.5	16	6	A64276	A64276 Sequence 64
915	12	0.5	16	6	AR102575	AR102575 Sequence
c 916	12	0.5	16	6	BD084630	BD084630 Methods a
917	12	0.5	16	6	BD266352	BD266352 Universal
918	12	0.5	16	6	CQ828797	CQ828797 Sequence
c 919	12	0.5	16	6	CQ831839	CQ831839 Sequence
c 920	12	0.5	16	6	CQ831859	CQ831859 Sequence
c 921	12	0.5	16	6	CS079926	CS079926 Sequence
922	12	0.5	16	6	I14560	I14560 Sequence 37
c 923	12	0.5	16	6	AR211547	AR211547 Sequence
924	12	0.5	16	6	AR211615	AR211615 Sequence
925	12	0.5	16	6	AR262878	AR262878 Sequence
926	12	0.5	16	6	AR490408	AR490408 Sequence
927	12	0.5	16	6	AX572232	AX572232 Sequence
928	12	0.5	16	6	AX572234	AX572234 Sequence
929	12	0.5	16	6	AX572237	AX572237 Sequence
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931	12	0.5	16	6	AX572241	AX572241 Sequence
932	12	0.5	16	6	AX772228	AX772228 Sequence
933	12	0.5	17	6	A12792	A12792 oligonucleo
c 934	12	0.5	17	6	A16624	A16624 Nucleotide
c 935	12	0.5	17	6	A28276	A28276 Oligonucleo
c 936	12	0.5	17	6	AR040297	AR040297 Sequence
937	12	0.5	17	6	AR045699	AR045699 Sequence
c 938	12	0.5	17	6	AR046049	AR046049 Sequence
c 939	12	0.5	17	6	AR046750	AR046750 Sequence
c 940	12	0.5	17	6	AR047754	AR047754 Sequence
c 941	12	0.5	17	6	BD104360	BD104360 Kit and m
942	12	0.5	17	6	BD104910	BD104910 Kit and m
943	12	0.5	17	6	BD197370	BD197370 Method an
c 944	12	0.5	17	6	BD202745	BD202745 Method an
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946	12	0.5	17	6	BD202830	BD202830 Method an
947	12	0.5	17	6	BD202925	BD202925 Method an
c 948	12	0.5	17	6	BD232873	BD232873 Diagnosti
949	12	0.5	17	6	BD241566	BD241566 Methods a
950	12	0.5	17	6	BD241658	BD241658 Methods a
951	12	0.5	17	6	BD241694	BD241694 Methods a
952	12	0.5	17	6	BD254430	BD254430 Regulatio
953	12	0.5	17	6	BD254499	BD254499 Regulatio
954	12	0.5	17	6	BD255437	BD255437 Regulatio
955	12	0.5	17	6	BD258312	BD258312 Regulatio
956	12	0.5	17	6	BD258313	BD258313 Regulatio
957	12	0.5	17	6	BD258314	BD258314 Regulatio
958	12	0.5	17	6	BD258315	BD258315 Regulatio
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c 964	12	0.5	17	6	CQ616811	CQ616811 Sequence
c 965	12	0.5	17	6	CQ617259	CQ617259 Sequence
c 966	12	0.5	17	6	CQ617265	CQ617265 Sequence
c 967	12	0.5	17	6	CQ621598	CQ621598 Sequence

c 968	12	0.5	17	6	CQ621604	CQ621604 Sequence
969	12	0.5	17	6	CQ625765	CQ625765 Sequence
970	12	0.5	17	6	CQ625771	CQ625771 Sequence
971	12	0.5	17	6	CQ625930	CQ625930 Sequence
972	12	0.5	17	6	CQ625931	CQ625931 Sequence
973	12	0.5	17	6	CQ625932	CQ625932 Sequence
974	12	0.5	17	6	CQ625933	CQ625933 Sequence
975	12	0.5	17	6	CQ625934	CQ625934 Sequence
976	12	0.5	17	6	CQ625935	CQ625935 Sequence
c 977	12	0.5	17	6	I28549	I28549 Sequence 2
978	12	0.5	17	6	I52751	I52751 Sequence 49
c 979	12	0.5	17	6	I53101	I53101 Sequence 84
c 980	12	0.5	17	6	I53802	I53802 Sequence 15
c 981	12	0.5	17	6	I54806	I54806 Sequence 25
c 982	12	0.5	17	6	I58711	I58711 Sequence 2
c 983	12	0.5	17	6	AR188423	AR188423 Sequence
984	12	0.5	17	6	AR188492	AR188492 Sequence
c 985	12	0.5	17	6	AR195766	AR195766 Sequence
c 986	12	0.5	17	6	AR224994	AR224994 Sequence
987	12	0.5	17	6	AR285998	AR285998 Sequence
988	12	0.5	17	6	AR286004	AR286004 Sequence
989	12	0.5	17	6	AR286464	AR286464 Sequence
c 990	12	0.5	17	6	AR324276	AR324276 Sequence
991	12	0.5	17	6	AR324345	AR324345 Sequence
c 992	12	0.5	17	6	AR327465	AR327465 Sequence
993	12	0.5	17	6	AR327735	AR327735 Sequence
994	12	0.5	17	6	AR327736	AR327736 Sequence
c 995	12	0.5	17	6	AR328893	AR328893 Sequence
996	12	0.5	17	6	AR397988	AR397988 Sequence
997	12	0.5	17	6	AR397994	AR397994 Sequence
998	12	0.5	17	6	AR398454	AR398454 Sequence
c 999	12	0.5	17	6	AR457869	AR457869 Sequence
c1000	12	0.5	17	6	AR457870	AR457870 Sequence

ALIGNMENTS

```
RESULT 1
AX769408
LOCUS       AX769408                  26 bp    DNA     linear   PAT 02-JUL-2003
DEFINITION  Sequence 525 from Patent WO02098917.
ACCESSION   AX769408
VERSION     AX769408.1  GI:32437226
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Guo,X., Fernandes,E., Li,L., Kekuda,R., Liu,Y., Leite,M.,
            Spytek,K.A., Ji,W., Casman,S.J., Boldog,F.L., Patturajan,M.,
            Vernet,C.A., Ballinger,R.A., Malyankar,U.M., Tchernev,V.T.,
            Blalock,A.D., Gusev,V.Y., Rastelli,L., Mezes,P.D., Ellerman,K.,
            Heyes,M., Herrmann,J.L., Shimkets,R.A., Ioime,N., Pena,C.E.,
            Shenoy,S.G., Taupier,R.J., Gerlach,V. and Gorman,L.
  TITLE     Human proteins and nucleic acids encoding same
  JOURNAL   Patent: WO 02098917-A 525 12-DEC-2002;
            Curagen Corporation (US)
FEATURES             Location/Qualifiers
     source          1. .26
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="PCR Primer sequence"
ORIGIN

  Query Match             1.1%;  Score 26;  DB 6;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 0.12;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        739 CTTTCCTGCCCCTGAGGAAGTCAATT 764
              ||||||||||||||||||||||||||
Db          1 CTTTCCTGCCCCTGAGGAAGTCAATT 26
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```
RESULT 2
CQ800838
LOCUS       CQ800838                  22 bp    DNA     linear   PAT 05-MAY-2004
DEFINITION  Sequence 11 from Patent WO2004031410.
ACCESSION   CQ800838
VERSION     CQ800838.1  GI:47057632
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Nakamura,Y. and Katagiri,T.
  TITLE     Method for diagnosing testicular seminomas
  JOURNAL   Patent: WO 2004031410-A 11 15-APR-2004;
            Oncotherapy Science, Inc. (JP); Japan as represented by the
            president of the university o f Tokyo (JP)
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Artificially synthesized primer sequence for
                     RT-PCR"
ORIGIN

  Query Match             0.9%;  Score 22;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2123 CACAACATGCAATGTGTCTGTG 2144
              ||||||||||||||||||||||
Db          1 CACAACATGCAATGTGTCTGTG 22
```

```
RESULT 3
CQ800839/c
LOCUS       CQ800839                  22 bp    DNA     linear   PAT 05-MAY-2004
DEFINITION  Sequence 12 from Patent WO2004031410.
ACCESSION   CQ800839
VERSION     CQ800839.1  GI:47057633
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Nakamura,Y. and Katagiri,T.
  TITLE     Method for diagnosing testicular seminomas
  JOURNAL   Patent: WO 2004031410-A 12 15-APR-2004;
            Oncotherapy Science, Inc. (JP); Japan as represented by the
            president of the university o f Tokyo (JP)
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Artificially synthesized primer sequence for
                     RT-PCR"
ORIGIN

  Query Match             0.9%;  Score 22;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2278 GCTGCTTGCAAGTCTTAGAGGA 2299
              ||||||||||||||||||||||
Db         22 GCTGCTTGCAAGTCTTAGAGGA 1
```

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RESULT 4
AX769407
LOCUS       AX769407                  22 bp    DNA     linear   PAT 02-JUL-2003
```

```
DEFINITION  Sequence 524 from Patent WO02098917.
ACCESSION   AX769407
VERSION     AX769407.1  GI:32437225
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Guo,X., Fernandes,E., Li,L., Kekuda,R., Liu,Y., Leite,M.,
            Spytek,K.A., Ji,W., Casman,S.J., Boldog,F.L., Patturajan,M.,
            Vernet,C.A., Ballinger,R.A., Malyankar,U.M., Tchernev,V.T.,
            Blalock,A.D., Gusev,V.Y., Rastelli,L., Mezes,P.D., Ellerman,K.,
            Heyes,M., Herrmann,J.L., Shimkets,R.A., Ioime,N., Pena,C.E.,
            Shenoy,S.G., Taupier,R.J., Gerlach,V. and Gorman,L.
  TITLE     Human proteins and nucleic acids encoding same
  JOURNAL   Patent: WO 02098917-A 524 12-DEC-2002;
            Curagen Corporation (US)
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="PCR Primer sequence"
ORIGIN

  Query Match             0.9%;  Score 22;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 GCCTGCCTTATCTTTCTGAACT 713
              ||||||||||||||||||||||
Db          1 GCCTGCCTTATCTTTCTGAACT 22


RESULT 5
AX769409/c
LOCUS       AX769409                  22 bp    DNA     linear   PAT 02-JUL-2003
DEFINITION  Sequence 526 from Patent WO02098917.
ACCESSION   AX769409
VERSION     AX769409.1  GI:32437227
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Guo,X., Fernandes,E., Li,L., Kekuda,R., Liu,Y., Leite,M.,
            Spytek,K.A., Ji,W., Casman,S.J., Boldog,F.L., Patturajan,M.,
            Vernet,C.A., Ballinger,R.A., Malyankar,U.M., Tchernev,V.T.,
            Blalock,A.D., Gusev,V.Y., Rastelli,L., Mezes,P.D., Ellerman,K.,
            Heyes,M., Herrmann,J.L., Shimkets,R.A., Ioime,N., Pena,C.E.,
            Shenoy,S.G., Taupier,R.J., Gerlach,V. and Gorman,L.
  TITLE     Human proteins and nucleic acids encoding same
  JOURNAL   Patent: WO 02098917-A 526 12-DEC-2002;
            Curagen Corporation (US)
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="PCR Primer sequence"
ORIGIN

  Query Match             0.9%;  Score 22;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 18;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        767 ACGAAGAAGATCAAGCTGAGTG 788
              ||||||||||||||||||||||
Db         22 ACGAAGAAGATCAAGCTGAGTG 1


RESULT 6
CQ799122
LOCUS       CQ799122                  20 bp    DNA     linear   PAT 28-APR-2004
DEFINITION  Sequence 5 from Patent WO2004031414.
ACCESSION   CQ799122
VERSION     CQ799122.1  GI:46848096
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Nakamura,Y., Katagiri,T., Nakagawa,H. and Nakatsuru,S.
  TITLE     Method for diagnosing prostate cancer
  JOURNAL   Patent: WO 2004031414-A 5 15-APR-2004;
            Oncotherapy Science, Inc. (JP); Japan as represented by the
            president of the university of Tokyo (JP)
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Artificial synthesised primer sequence for RT-PCR"
ORIGIN

  Query Match             0.9%;  Score 20;  DB 6;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2027 GGTGCCTCTTATCTCCTTCT 2046
              ||||||||||||||||||||
Db          1 GGTGCCTCTTATCTCCTTCT 20


RESULT 7
CQ799123/c
LOCUS       CQ799123                  20 bp    DNA     linear   PAT 28-APR-2004
DEFINITION  Sequence 6 from Patent WO2004031414.
ACCESSION   CQ799123
VERSION     CQ799123.1  GI:46848097
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Nakamura,Y., Katagiri,T., Nakagawa,H. and Nakatsuru,S.
  TITLE     Method for diagnosing prostate cancer
  JOURNAL   Patent: WO 2004031414-A 6 15-APR-2004;
            Oncotherapy Science, Inc. (JP); Japan as represented by the
            president of the university of Tokyo (JP)
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Artificial synthesised primer sequence for RT-PCR"
ORIGIN

  Query Match             0.9%;  Score 20;  DB 6;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2294 AGAGGAAATAAAAAGGGAAG 2313
              ||||||||||||||||||||
Db         20 AGAGGAAATAAAAAGGGAAG 1


RESULT 8
AR122487/c
LOCUS       AR122487                  20 bp    DNA     linear   PAT 16-MAY-2001
DEFINITION  Sequence 41 from patent US 6165728.
ACCESSION   AR122487
VERSION     AR122487.1  GI:14106804
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
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            Unclassified.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Ward,D.T. and Cowsert,L.M.
  TITLE     Antisense modulation of NCK-2 expression
  JOURNAL   Patent: US 6165728-A 41 26-DEC-2000;
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             0.7%;  Score 17;  DB 6;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1694 GAGTACGCCGCCAATGG 1710
              |||||||||||||||||
Db         18 GAGTACGCCGCCAATGG 2


RESULT 9
CS093550
LOCUS       CS093550                  23 bp    RNA     linear   PAT 03-JUN-2005
DEFINITION  Sequence 684 from Patent WO2005045036.
ACCESSION   CS093550
VERSION     CS093550.1  GI:66951073
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Mcswiggen,J.
  TITLE     RNA interference mediated inhibition of hairless (hr) gene
            expression using short interfering nucleic acid (siNA)
  JOURNAL   Patent: WO 2005045036-A 684 19-MAY-2005;
            Sirna Therapeutics, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="synthetic construct"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:32630"
                     /note="Description of Artificial Sequence: Target
                     Sequence/siNA sense region"
ORIGIN

  Query Match             0.7%;  Score 17;  DB 6;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 8.8e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1653 TGCCTTCCTACCTCTTC 1669
              |||||||||||||||||
Db          1 TGCCTTCCTACCTCTTC 17


RESULT 10
AR252672/c
LOCUS       AR252672                  22 bp    DNA     linear   PAT 20-DEC-2002
DEFINITION  Sequence 440 from patent US 6478825.
ACCESSION   AR252672
VERSION     AR252672.1  GI:27300580
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 22)
  AUTHORS   Winterbottom,J.M., Shimp,L., Boyce,T.M. and Kaes,D.
  TITLE     Implant, method of making same and use of the implant for the
            treatment of bone defects
  JOURNAL   Patent: US 6478825-A 440 12-NOV-2002;
            Osteotech, Inc.; Eatontown, NJ
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="unknown"
                     /mol_type="genomic DNA"
ORIGIN

  Query Match             0.7%;  Score 16;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+04;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1034 TTCTACATGGCTGCTG 1049
              ||||||||||||||||
Db         18 TTCTACATGGCTGCTG 3


RESULT 11
AX403553/c
LOCUS       AX403553                  22 bp    DNA     linear   PAT 14-JUN-2002
DEFINITION  Sequence 440 from Patent WO0073454.
ACCESSION   AX403553
VERSION     AX403553.1  GI:21437026
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Ashkenazi,A.J., Baker,K.P., Botstein,D., Desnoyers,L., Eaton,D.,
            Ferrara,N., Gerber,H., Gerritsen,M., Goddard,A., Godowski,P.,
            Grimaldi,C.J., Gurney,A.L., Kljavin,I., Napier,M.A., Pan,J.,
            Paoni,N.F., Roy,M., Stewart,T.A., Tumas,D., Watanabe,C.K.,
            Williams,P., Wood,W.I. and Zhang,Z.
  TITLE     Secreted and transmembrane polypeptides and nucleic acids encoding
            the same
  JOURNAL   Patent: WO 0073454-A 440 07-DEC-2000;
            Genentech Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="synthetic construct"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:32630"
                     /note="Synthetic oligonucleotide probe"
ORIGIN

  Query Match             0.7%;  Score 16;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+04;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1034 TTCTACATGGCTGCTG 1049
              ||||||||||||||||
Db         18 TTCTACATGGCTGCTG 3


RESULT 12
CQ798130
LOCUS       CQ798130                  23 bp    DNA     linear   PAT 20-APR-2004
DEFINITION  Sequence 37 from Patent WO2004029287.
ACCESSION   CQ798130
VERSION     CQ798130.1  GI:46426542
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Guelly,C., Buck,C. and Zatloukal,K.
  TITLE     Polypeptides and nucleic acids encoding these and their use for the
            prevention, diagnosis or treatment of liver disorders and
            epithelial cancer
  JOURNAL   Patent: WO 2004029287-A 37 08-APR-2004;
            Oridis Biomed Forschungs- und Entwicklungs GmbH (AT)
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"
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ORIGIN

  Query Match             0.7%;  Score 16;  DB 6;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 3e+04;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1298 CCACGCTACTGCAAGA 1313
              ||||||||||||||||
Db          1 CCACGCTACTGCAAGA 16


RESULT 13
CS093551
LOCUS       CS093551                  23 bp    RNA     linear   PAT 03-JUN-2005
DEFINITION  Sequence 685 from Patent WO2005045036.
ACCESSION   CS093551
VERSION     CS093551.1  GI:66951074
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Mcswiggen,J.
  TITLE     RNA interference mediated inhibition of hairless (hr) gene
            expression using short interfering nucleic acid (siNA)
  JOURNAL   Patent: WO 2005045036-A 685 19-MAY-2005;
            Sirna Therapeutics, Inc. (US)
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="synthetic construct"
                     /mol_type="unassigned RNA"
                     /db_xref="taxon:32630"
                     /note="Description of Artificial Sequence: Target
                     Sequence/siNA sense region"
ORIGIN

  Query Match             0.7%;  Score 16;  DB 6;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 3e+04;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1654 GCCTTCCTACCTCTTC 1669
              ||||||||||||||||
Db          1 GCCTTCCTACCTCTTC 16


RESULT 14
AR059920
LOCUS       AR059920                  24 bp    DNA     linear   PAT 29-SEP-1999
DEFINITION  Sequence 29 from patent US 5840529.
ACCESSION   AR059920
VERSION     AR059920.1  GI:5986370
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   Seidah,N.G., Day,R. and Chretien,M.
  TITLE     Mammalian pro-hormone convertase
  JOURNAL   Patent: US 5840529-A 29 24-NOV-1998;
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             0.7%;  Score 16;  DB 6;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 3e+04;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        646 TGCCGGTGTGGCCTTC 661
              ||||||||||||||||
Db          6 TGCCGGTGTGGCCTTC 21


RESULT 15
AR059921
LOCUS       AR059921                  24 bp    DNA     linear   PAT 29-SEP-1999
DEFINITION  Sequence 30 from patent US 5840529.
ACCESSION   AR059921
VERSION     AR059921.1  GI:5986371
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   Seidah,N.G., Day,R. and Chretien,M.
  TITLE     Mammalian pro-hormone convertase
  JOURNAL   Patent: US 5840529-A 30 24-NOV-1998;
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             0.7%;  Score 16;  DB 6;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 3e+04;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        646 TGCCGGTGTGGCCTTC 661
              ||||||||||||||||
Db          6 TGCCGGTGTGGCCTTC 21


RESULT 16
CQ862656
LOCUS       CQ862656                  25 bp    DNA     linear   PAT 10-SEP-2004
DEFINITION  Sequence 1289 from Patent WO2004072265.
ACCESSION   CQ862656
VERSION     CQ862656.1  GI:51983645
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Burczynski,M., Twine,N., Dorner,A.J. and Trepicchio,W.L.
  TITLE     METHODS FOR MONITORING DRUG ACTIVITIES IN VIVO /i
  JOURNAL   Patent: WO 2004072265-A 1289 26-AUG-2004;
            Wyeth (US); Burczynski, Michael E. (US); Twine, Natalie C. (US);
            Dorner, Andrew J. (US); Trepicchio, William L. (US)
FEATURES             Location/Qualifiers
     source          1. .25
                     /organism="Homo sapiens"
                     /mol_type="unassigned DNA"
                     /db_xref="taxon:9606"
ORIGIN

  Query Match             0.7%;  Score 16;  DB 6;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 3e+04;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        367 CATGGACCGCTTTGGC 382
              ||||||||||||||||
Db          9 CATGGACCGCTTTGGC 24


RESULT 17
E40787
LOCUS       E40787                    30 bp    DNA     linear   PAT 31-JAN-2002
DEFINITION  Antihuman Fas humanized antibody-containing antirheumatic.
ACCESSION   E40787
VERSION     E40787.1  GI:18627376
KEYWORDS    JP 2000154149-A/158.
SOURCE      synthetic construct
  ORGANISM  synthetic construct
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            other sequences; artificial sequences.
REFERENCE   1  (bases 1 to 30)
  AUTHORS   Serizawa,N., Haruyama,H., Takahashi,W., Nakahara,K. and Yonehara,S.
  TITLE     Antihuman Fas humanized antibody-containing antirheumatic
  JOURNAL   Patent: JP 2000154149-A 158 06-JUN-2000;
            SANKYO CO LTD
COMMENT     OS   Artificial Sequence
            PN   JP 2000154149-A/158
            PD   06-JUN-2000
            PF   17-SEP-1999 JP 1999263984
            PR
            PI   NOBUKI SERIZAWA,HIDEYUKI HARUYAMA,WATARU TAKAHASHI, PI   KAORI
            NAKAHARA,
            PI   SHIN YONEHARA
            PC   A61K39/395,A61P29/00,C12N15/09//C07K16/28,C12P21/02,C12N15/00
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RESULT 18
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ACCESSION   AX266831
VERSION     AX266831.1  GI:16515632
KEYWORDS    .
SOURCE      Homo sapiens (human)
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            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Kmiec,E.B., Gamper,H.B. and Rice,M.C.
  TITLE     Targeted chromosomal genomic alterations with modified single
            stranded oligonucleotides
  JOURNAL   Patent: WO 0173002-A 4222 04-OCT-2001;
            UNIVERSITY OF DELAWARE (US)
FEATURES             Location/Qualifiers
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RESULT 19
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DEFINITION  Sequence 4223 from Patent WO0173002.
ACCESSION   AX266832
VERSION     AX266832.1  GI:16515633
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1
  AUTHORS   Kmiec,E.B., Gamper,H.B. and Rice,M.C.
  TITLE     Targeted chromosomal genomic alterations with modified single
            stranded oligonucleotides
  JOURNAL   Patent: WO 0173002-A 4223 04-OCT-2001;
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RESULT 20
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LOCUS       AR139023                  19 bp    DNA     linear   PAT 16-JUN-2001
DEFINITION  Sequence 6 from patent US 6200802.
ACCESSION   AR139023
VERSION     AR139023.1  GI:14481368
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Greene,M.E. and Blumberg,B.
  TITLE     Human peroxisome proliferator activated receptor gamma:
            compositions and methods
  JOURNAL   Patent: US 6200802-A 6 13-MAR-2001;
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Db          3 GTGACCTTTGTCCTG 17


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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

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Searched: 4996997 seqs, 3332346308 residues

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Minimum DB seq length: 0
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Post-processing: Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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7	22	0.9	22	8	ACD20491	Acd20491 Human NOV
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c 17	17	0.7	20	4	AAC92680	Aac92680 Human Nck
18	17	0.7	23	14	AEA03789	Aea03789 Hairless
19	17	0.7	24	8	ABA00742	Aba00742 IP-10 sen
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85	16	0.7	24	2	AAV41656	Aav41656 Nucleotid
86	16	0.7	24	12	ADJ51118	Adj51118 Human NOV
87	16	0.7	25	13	ADR53938	Adr53938 Drug ther
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	143	15	0.6	27	3	AAA51530 Aaa51530 Primer ZC
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	167	15	0.6	30	14	ADY01305 Ady01305 PCR prime
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c	230	14	0.6	20	10	ABZ98517 Abz98517 Human ICA
c	231	14	0.6	20	11	ABD31548 Abd31548 Human ICA
	232	14	0.6	20	12	ADH02687 Adh02687 Human glu
c	233	14	0.6	20	12	ADJ60367 Adj60367 Oligonucl
c	234	14	0.6	20	12	ADO45856 Ado45856 Human oli
	235	14	0.6	20	12	ADM16248 Adm16248 Murine SA
c	236	14	0.6	20	12	ADP11001 Adp11001 Set 1 rig
	237	14	0.6	20	12	ADP43741 Adp43741 Human fib
c	238	14	0.6	20	12	ADP43777 Adp43777 Human fib

239	14	0.6	20	12	ADN29250	Adn29250 Human kal
c 240	14	0.6	20	12	ADN29175	Adn29175 Human kal
c 241	14	0.6	20	12	ADQ29564	Adq29564 Human TNF
c 242	14	0.6	20	13	ADR03080	Adr03080 Antisense
243	14	0.6	20	13	ADR96847	Adr96847 DRD1 mut
c 244	14	0.6	20	14	ADW50365	Adw50365 Human B7-
c 245	14	0.6	20	14	ADY60517	Ady60517 Antisense
246	14	0.6	20	14	ADZ07993	Adz07993 PDE7A ant
c 247	14	0.6	21	2	AAV60939	Aav60939 Nucleotid
c 248	14	0.6	21	2	AAV27034	Aav27034 Human IGF
c 249	14	0.6	21	2	AAX00347	Aax00347 Human leu
250	14	0.6	21	4	AAH62238	Aah62238 Glycine r
251	14	0.6	21	6	ABS97793	Abs97793 Human NAD
252	14	0.6	21	12	ADN14312	Adn14312 PCR prime
253	14	0.6	21	13	ADU42553	Adu42553 Knock-dow
c 254	14	0.6	21	13	ADU31826	Adu31826 Knock-dow
255	14	0.6	21	14	ADV26252	Adv26252 Human dlg
256	14	0.6	21	14	ADZ17681	Adz17681 Human h25
c 257	14	0.6	21	14	AEB10935	Aeb10935 Mouse adi
c 258	14	0.6	22	3	AAC80352	Aac80352 Forward p
259	14	0.6	22	5	AAS22007	Aas22007 Human COL
c 260	14	0.6	22	8	ACC47878	Acc47878 P. obesus
261	14	0.6	22	12	ADK96462	Adk96462 Primer of
262	14	0.6	22	12	ADP47406	Adp47406 Intellige
263	14	0.6	22	12	ADQ59764	Adq59764 Intellige
264	14	0.6	22	13	ADR96929	Adr96929 HTR1A mut
c 265	14	0.6	22	14	AEA04194	Aea04194 Hairless
266	14	0.6	22	14	AEA51726	Aea51726 Prostate
267	14	0.6	23	2	AAQ10627	Aaq10627 HLA Class
c 268	14	0.6	23	2	AAQ10632	Aaq10632 HLA Class
c 269	14	0.6	23	2	AAZ00992	Aaz00992 PCR prime
c 270	14	0.6	23	3	AAC80353	Aac80353 Forward p
271	14	0.6	23	6	ABL39562	Abl39562 Human can
c 272	14	0.6	23	6	ADI17594	Adi17594 Labelled
c 273	14	0.6	23	6	ADI17582	Adi17582 Labelled
c 274	14	0.6	23	6	ADI17597	Adi17597 Labelled
275	14	0.6	23	8	ABZ80987	Abz80987 Human vit
c 276	14	0.6	23	11	ADZ43676	Adz43676 PCR prime
277	14	0.6	23	12	ADG09445	Adg09445 TNF-alpha
c 278	14	0.6	23	12	ADH72351	Adh72351 Human pro
c 279	14	0.6	23	12	ADH72348	Adh72348 Human pro
c 280	14	0.6	23	12	ADN42682	Adn42682 Human NOV
c 281	14	0.6	23	12	ADN42670	Adn42670 Human NOV
c 282	14	0.6	23	12	ADN42685	Adn42685 Human NOV
c 283	14	0.6	23	14	ADZ87147	Adz87147 Human OTO
284	14	0.6	23	14	AEA04146	Aea04146 Hairless
285	14	0.6	24	2	AAT09861	Aat09861 Neisseria
286	14	0.6	24	2	AAT11180	Aat11180 Neisseria
c 287	14	0.6	24	2	AAT73250	Aat73250 Probe to
c 288	14	0.6	24	2	AAX56470	Aax56470 Locked nu
289	14	0.6	24	3	AAA07381	Aaa07381 PCR prime
c 290	14	0.6	24	3	AAC80354	Aac80354 Forward p
c 291	14	0.6	24	6	ABK47587	Abk47587 Human tro
c 292	14	0.6	24	10	ACC49808	Acc49808 Human pro
c 293	14	0.6	24	10	ACC49809	Acc49809 Human pro
294	14	0.6	24	11	ADL23536	Adl23536 Yersinia
295	14	0.6	24	12	ADJ92111	Adj92111 PCR prime
296	14	0.6	24	12	ADJ92110	Adj92110 PCR prime
297	14	0.6	24	12	ADM99382	Adm99382 Y. entero
298	14	0.6	24	14	ADV34780	Adv34780 Plectin g
299	14	0.6	24	14	ADV34781	Adv34781 Plectin g
c 300	14	0.6	24	14	ADV67481	Adv67481 Primer fo
301	14	0.6	24	14	AEB44362	Aeb44362 Novel dsR
c 302	14	0.6	25	3	AAC96621	Aac96621 HLA DRB34
c 303	14	0.6	25	3	AAC96772	Aac96772 HLA HLA-A
c 304	14	0.6	25	3	AAC96879	Aac96879 HLA HLA-C
c 305	14	0.6	25	3	AAC95820	Aac95820 HLA DRB34
c 306	14	0.6	25	3	AAC96623	Aac96623 HLA DRB34
c 307	14	0.6	25	3	AAC96827	Aac96827 HLA HLA-C
c 308	14	0.6	25	3	AAC95826	Aac95826 HLA HLA-A
c 309	14	0.6	25	3	AAC80355	Aac80355 Forward p
c 310	14	0.6	25	6	ABL52798	Abl52798 Primer us
c 311	14	0.6	25	8	ACF64208	Acf64208 Human var
312	14	0.6	25	9	ACI71623	Aci71623 Human mic
313	14	0.6	25	9	ACK11135	Ack11135 Human mic
314	14	0.6	25	9	ACI53634	Aci53634 Human mic
315	14	0.6	25	9	ACK06956	Ack06956 Human mic
316	14	0.6	25	9	ACI31477	Aci31477 Human mic
317	14	0.6	25	9	ACI18324	Aci18324 Human mic
318	14	0.6	25	9	ACI19549	Aci19549 Human mic
319	14	0.6	25	9	ACK24490	Ack24490 Human mic
320	14	0.6	25	12	ADL16742	Adl16742 Granulocy
c 321	14	0.6	25	12	ADP13934	Adp13934 Renal cel
c 322	14	0.6	25	12	ADP13839	Adp13839 Renal cel
c 323	14	0.6	25	12	ADP14348	Adp14348 Renal cel
c 324	14	0.6	25	12	ADP13935	Adp13935 Renal cel
c 325	14	0.6	25	12	ADP16864	Adp16864 Renal cel
c 326	14	0.6	25	12	ADP17029	Adp17029 Renal cel
c 327	14	0.6	25	13	ADR57569	Adr57569 Drug ther
328	14	0.6	25	13	ADR55220	Adr55220 Drug ther
c 329	14	0.6	25	13	ADR55361	Adr55361 Drug ther
330	14	0.6	26	4	AAF62111	Aaf62111 Specific
331	14	0.6	26	4	AAF62121	Aaf62121 Generic H
c 332	14	0.6	26	6	ABK67175	Abk67175 Human gen
333	14	0.6	26	6	ABK37946	Abk37946 RT-PCR pr
c 334	14	0.6	27	2	AAX70838	Aax70838 Human KDR
c 335	14	0.6	27	2	AAV56437	Aav56437 Human ICA
c 336	14	0.6	27	2	AAV10673	Aav10673 Mouse Fas
c 337	14	0.6	27	2	AAX21890	Aax21890 Primer fo
c 338	14	0.6	27	3	AAZ24351	Aaz24351 Human ICA
c 339	14	0.6	27	3	AAA97179	Aaa97179 Oligonucl
340	14	0.6	27	3	ABA98893	Aba98893 DNA seque
c 341	14	0.6	27	3	AAA08325	Aaa08325 ICAM-R mu
c 342	14	0.6	27	4	AAC91958	Aac91958 Human ICA
c 343	14	0.6	27	4	AAC87662	Aac87662 PCR prime
c 344	14	0.6	27	6	ABK09368	Abk09368 Monoclona
c 345	14	0.6	27	6	AAL49593	Aal49593 Tumour di
c 346	14	0.6	27	6	ABQ75776	Abq75776 Murine ca
347	14	0.6	27	6	ABL99408	Abl99408 Left PCR
c 348	14	0.6	27	10	ADG25757	Adg25757 Human ICA
349	14	0.6	28	2	AAT03707	Aat03707 Cotton UD
350	14	0.6	28	4	AAS07465	Aas07465 HD-Zip su
351	14	0.6	28	4	AAI70217	Aai70217 Human org
352	14	0.6	29	2	AAV61440	Aav61440 Mouse Clo
c 353	14	0.6	29	2	AAA22133	Aaa22133 Integrin
c 354	14	0.6	29	2	AAA17919	Aaa17919 Human TIE
c 355	14	0.6	29	2	AAV92992	Aav92992 Human B-r
c 356	14	0.6	29	2	AAX05197	Aax05197 5' juncti
357	14	0.6	29	3	AAA04328	Aaa04328 Polymorph
c 358	14	0.6	29	3	AAA07726	Aaa07726 Human lys
c 359	14	0.6	29	3	AAF01568	Aaf01568 Hammerhea
c 360	14	0.6	29	4	AAH90989	Aah90989 Human inf
c 361	14	0.6	29	5	ADM89776	Adm89776 Human PTP
c 362	14	0.6	29	5	ADV02480	Adv02480 Human BAC
c 363	14	0.6	29	8	ABZ20607	Abz20607 Cytokine
c 364	14	0.6	29	13	ADS88676	Ads88676 PCR prime
365	14	0.6	29	13	ADS88677	Ads88677 PCR prime
366	14	0.6	29	14	ADX99920	Adx99920 PCR prime
c 367	14	0.6	30	2	AAQ80608	Aaq80608 Primer 5W
368	14	0.6	30	2	AAV02192	Aav02192 Human foe
369	14	0.6	30	2	AAA92453	Aaa92453 Type C le
c 370	14	0.6	30	3	AAA53982	Aaa53982 Primer us
371	14	0.6	30	4	AAS07469	Aas07469 HD-Zip su
372	14	0.6	30	4	AAF61961	Aaf61961 T. thermo
373	14	0.6	30	5	AAH48713	Aah48713 T. thermo
c 374	14	0.6	30	6	ABL31833	Abl31833 Human CYP
375	14	0.6	30	6	AAD46390	Aad46390 S. typhim
376	14	0.6	30	10	ADF29029	Adf29029 T. thermo
377	14	0.6	30	10	ADF76186	Adf76186 Mutagenic
c 378	14	0.6	30	10	ADF76187	Adf76187 Mutagenic
c 379	14	0.6	30	10	ABX34435	Abx34435 Degenerat
380	14	0.6	30	11	ADY37899	Ady37899 PCR prime
381	14	0.6	30	12	ADG72445	Adg72445 PCR prime
382	14	0.6	30	12	ADG72283	Adg72283 Tetrahyme
383	14	0.6	30	12	ADO70066	Ado70066 C glutami
c 384	14	0.6	30	12	ADP09443	Adp09443 PCR prime

385	14	0.6	30	12	ADP46155	Adp46155 PCR prime
c 386	14	0.6	30	12	ADP45803	Adp45803 PCR prime
c 387	14	0.6	30	13	ADS82205	Ads82205 Multiplex
388	14	0.6	30	13	ADS82206	Ads82206 Multiplex
c 389	14	0.6	30	14	ADX98997	Adx98997 PCR prime
390	14	0.6	30	14	ADX99581	Adx99581 PCR prime
c 391	14	0.6	30	14	ADY52818	Ady52818 Human CHR
392	14	0.6	30	14	ADZ67964	Adz67964 NTRK1 gen
393	14	0.6	30	14	AEA62031	Aea62031 NTRK1 gen
394	14	0.6	30	14	AEB16505	Aeb16505 Human SLC
c 395	13	0.6	13	2	AAQ55396	Aaq55396 Hormone r
c 396	13	0.6	13	2	AAX25483	Aax25483 Hormone r
c 397	13	0.6	13	2	AAT61650	Aat61650 Hormone r
c 398	13	0.6	13	2	AAV71886	Aav71886 PPAR resp
c 399	13	0.6	13	4	AAF75279	Aaf75279 PPARdelta
c 400	13	0.6	13	4	AAH41960	Aah41960 Rat acyl
401	13	0.6	13	5	ABC28835	Abc28835 Oligonucl
402	13	0.6	13	5	ABF30331	Abf30331 Oligonucl
c 403	13	0.6	13	5	ABC35082	Abc35082 Oligonucl
c 404	13	0.6	13	5	ABF30330	Abf30330 Oligonucl
405	13	0.6	13	5	ABF73907	Abf73907 Oligonucl
c 406	13	0.6	13	5	ABF24060	Abf24060 Oligonucl
c 407	13	0.6	13	5	ABC18608	Abc18608 Oligonucl
408	13	0.6	13	5	ABC18609	Abc18609 Oligonucl
c 409	13	0.6	13	5	ABC28834	Abc28834 Oligonucl
c 410	13	0.6	13	5	ABF12148	Abf12148 Oligonucl
411	13	0.6	13	5	ABF12149	Abf12149 Oligonucl
c 412	13	0.6	13	5	ABF73906	Abf73906 Oligonucl
c 413	13	0.6	13	5	ABF01379	Abf01379 Oligonucl
414	13	0.6	13	5	ABC14940	Abc14940 Oligonucl
c 415	13	0.6	13	5	ABC14941	Abc14941 Oligonucl
416	13	0.6	13	5	ABH16064	Abh16064 Oligonucl
417	13	0.6	13	5	ABF24061	Abf24061 Oligonucl
c 418	13	0.6	13	5	ABH16065	Abh16065 Oligonucl
419	13	0.6	13	5	ABF01378	Abf01378 Oligonucl
420	13	0.6	13	5	ABC35083	Abc35083 Oligonucl
c 421	13	0.6	13	6	ABV78698	Abv78698 Prototypi
c 422	13	0.6	13	10	ADF74303	Adf74303 Murine DN
423	13	0.6	13	14	ADU81570	Adu81570 Peroxisom
c 424	13	0.6	14	3	AAZ64811	Aaz64811 Substrate
c 425	13	0.6	14	6	ABX01648	Abx01648 Hepatitis
c 426	13	0.6	14	7	AEB76572	Aeb76572 Hepatitis
427	13	0.6	15	2	AAT51844	Aat51844 Human ICA
428	13	0.6	15	2	AAX66586	Aax66586 Human CD4
c 429	13	0.6	15	2	AAX37565	Aax37565 Human LSP
430	13	0.6	15	3	AAA29142	Aaa29142 Ribosome
431	13	0.6	15	4	AAF53614	Aaf53614 IGF-I oli
432	13	0.6	15	4	AAF53611	Aaf53611 IGF-I oli
433	13	0.6	15	5	AAF69517	Aaf69517 Human IL4
434	13	0.6	15	5	ADV64740	Adv64740 Human Her
435	13	0.6	15	5	ADV63349	Adv63349 Human Her
436	13	0.6	15	5	ADV35799	Adv35799 Human ant
437	13	0.6	15	5	ADV36456	Adv36456 Human ant
438	13	0.6	15	6	AAS98782	Aas98782 Colony st
c 439	13	0.6	15	6	ABK09879	Abk09879 P2RY1 gen
440	13	0.6	15	10	ACC79808	Acc79808 Human PD-
441	13	0.6	15	14	AEA35429	Aea35429 Novel DNA
c 442	13	0.6	15	14	AEA35428	Aea35428 Novel DNA
443	13	0.6	16	8	ABZ77459	Abz77459 PCR prime
c 444	13	0.6	16	12	ADL91745	Adl91745 Granin-li
445	13	0.6	16	13	ADR27188	Adr27188 Human sin
446	13	0.6	17	2	AAQ25487	Aaq25487 Purine ri
c 447	13	0.6	17	2	AAQ30403	Aaq30403 Oligomer
c 448	13	0.6	17	2	AAQ30401	Aaq30401 Oligomer
449	13	0.6	17	2	AAX75118	Aax75118 Mouse flt
c 450	13	0.6	17	2	AAX71159	Aax71159 Human KDR
c 451	13	0.6	17	2	AAX71158	Aax71158 Human KDR
452	13	0.6	17	2	AAX75119	Aax75119 Mouse flt
c 453	13	0.6	17	2	AAX71160	Aax71160 Human KDR
c 454	13	0.6	17	2	AAX36645	Aax36645 Antisense
455	13	0.6	17	2	AAX36644	Aax36644 Antisense
c 456	13	0.6	17	2	AAV91092	Aav91092 Human C-r
c 457	13	0.6	17	3	AAA25388	Aaa25388 Oestrogen
c 458	13	0.6	17	3	AAA25342	Aaa25342 Oestrogen
c 459	13	0.6	17	3	AAA25343	Aaa25343 Oestrogen
460	13	0.6	17	3	AAC73270	Aac73270 Reverse p
461	13	0.6	17	3	AAC73274	Aac73274 Reverse p
c 462	13	0.6	17	4	ABL46727	Abl46727 Human GRI
c 463	13	0.6	17	4	ABL46728	Abl46728 Human GRI
c 464	13	0.6	17	4	ABL46975	Abl46975 Human GRI
c 465	13	0.6	17	5	ADV37730	Adv37730 HBV hamme
c 466	13	0.6	17	5	ADV46382	Adv46382 HBV inozy
c 467	13	0.6	17	5	ADV17310	Adv17310 Human PLN
c 468	13	0.6	17	5	ADV37731	Adv37731 HBV hamme
c 469	13	0.6	17	5	ADV01002	Adv01002 Human TER
470	13	0.6	17	5	ADV64301	Adv64301 Human Her
c 471	13	0.6	17	5	ADV46383	Adv46383 HBV inozy
472	13	0.6	17	5	ADV64144	Adv64144 Human Her
c 473	13	0.6	17	6	ABN02009	Abn02009 Human GDM
c 474	13	0.6	17	6	ABN02012	Abn02012 Human GDM
475	13	0.6	17	6	ABN10517	Abn10517 Human GDM
c 476	13	0.6	17	6	ABN06349	Abn06349 Human GDM
477	13	0.6	17	6	ABN10516	Abn10516 Human GDM
478	13	0.6	17	6	ABN10518	Abn10518 Human GDM
c 479	13	0.6	17	6	ABN02010	Abn02010 Human GDM
c 480	13	0.6	17	6	ABN02011	Abn02011 Human GDM
c 481	13	0.6	17	6	ABN06351	Abn06351 Human GDM
c 482	13	0.6	17	6	ABN02008	Abn02008 Human GDM
c 483	13	0.6	17	6	ABN06347	Abn06347 Human GDM
484	13	0.6	17	6	ABN10514	Abn10514 Human GDM
485	13	0.6	17	6	ABN10515	Abn10515 Human GDM
c 486	13	0.6	17	6	ABN06348	Abn06348 Human GDM
c 487	13	0.6	17	6	ABN06350	Abn06350 Human GDM
488	13	0.6	17	6	ABK19397	Abk19397 Human ERG
489	13	0.6	17	6	ABK19398	Abk19398 Human ERG
490	13	0.6	17	6	ABK19063	Abk19063 Human ERG
491	13	0.6	17	6	AAD41894	Aad41894 Target DN
492	13	0.6	17	6	ABV89737	Abv89737 Human POS
493	13	0.6	17	6	ABV89738	Abv89738 Human POS
494	13	0.6	17	6	ABV89739	Abv89739 Human POS
495	13	0.6	17	6	ABV89736	Abv89736 Human POS
496	13	0.6	17	6	ABV89740	Abv89740 Human POS
497	13	0.6	17	6	ABK56337	Abk56337 Human CLC
498	13	0.6	17	6	ABK56338	Abk56338 Human CLC
499	13	0.6	17	6	ABK56339	Abk56339 Human CLC
500	13	0.6	17	6	ACN10620	Acn10620 WNV minus
c 501	13	0.6	17	6	ACN00876	Acn00876 WNV Hamme
502	13	0.6	17	6	ACN04666	Acn04666 WNV Zinzy
c 503	13	0.6	17	6	ACN06601	Acn06601 WNV Amber
504	13	0.6	17	6	ACN10619	Acn10619 WNV minus
c 505	13	0.6	17	6	ACN00875	Acn00875 WNV Hamme
c 506	13	0.6	17	6	ACN05186	Acn05186 WNV DNAzy
507	13	0.6	17	6	ACN05435	Acn05435 WNV DNAzy
508	13	0.6	17	6	ACN08244	Acn08244 WNV minus
509	13	0.6	17	6	ACN13834	Acn13834 WNV minus
510	13	0.6	17	8	ABT39901	Abt39901 Tumour su
c 511	13	0.6	17	8	ABT35689	Abt35689 Tumour su
512	13	0.6	17	8	ABT37269	Abt37269 Tumour su
c 513	13	0.6	17	8	ABT36013	Abt36013 Tumour su
c 514	13	0.6	17	8	ADB00189	Adb00189 Human MDZ
515	13	0.6	17	8	ADA99846	Ada99846 Human MDZ
516	13	0.6	17	8	ADA99847	Ada99847 Human MDZ
c 517	13	0.6	17	8	ADB00191	Adb00191 Human MDZ
c 518	13	0.6	17	8	ADB00193	Adb00193 Human MDZ
c 519	13	0.6	17	8	ADB00190	Adb00190 Human MDZ
c 520	13	0.6	17	8	ADB00192	Adb00192 Human MDZ
c 521	13	0.6	17	8	ADA99293	Ada99293 Human MDZ
522	13	0.6	17	8	ADA99844	Ada99844 Human MDZ
523	13	0.6	17	8	ADA99845	Ada99845 Human MDZ
c 524	13	0.6	17	8	ADA99290	Ada99290 Human MDZ
c 525	13	0.6	17	8	ADA99292	Ada99292 Human MDZ
526	13	0.6	17	8	ADA99848	Ada99848 Human MDZ
c 527	13	0.6	17	8	ADA99289	Ada99289 Human MDZ
c 528	13	0.6	17	8	ADA99291	Ada99291 Human MDZ
529	13	0.6	17	8	ABZ64942	Abz64942 Human HER
c 530	13	0.6	17	8	ABZ62106	Abz62106 Human H-R

	531	13	0.6	17	8	ABZ64757 Abz64757 Human HER
	532	13	0.6	17	8	ACD62826 Acd62826 HCV minus
c	533	13	0.6	17	8	ACD59843 Acd59843 HCV DNAzy
c	534	13	0.6	17	8	ACD50354 Acd50354 HBV hamme
c	535	13	0.6	17	8	ACD51704 Acd51704 HBV inozy
c	536	13	0.6	17	8	ACD50353 Acd50353 HBV hamme
c	537	13	0.6	17	8	ACD51705 Acd51705 HBV inozy
c	538	13	0.6	17	8	ACC63183 Acc63183 Murine ol
	539	13	0.6	17	8	ACC65925 Acc65925 Murine ol
	540	13	0.6	17	10	ADB42164 Adb42164 Tumour su
c	541	13	0.6	17	10	ADB43841 Adb43841 Tumour su
	542	13	0.6	17	10	ADI47623 Adi47623 Human tum
c	543	13	0.6	17	10	ACC54479 Acc54479 Human tum
c	544	13	0.6	17	11	ADM54085 Adm54085 Human GRI
c	545	13	0.6	17	11	ADM54298 Adm54298 Human GRI
c	546	13	0.6	17	11	ADM54086 Adm54086 Human GRI
c	547	13	0.6	17	11	AEB57999 Aeb57999 Human VEG
	548	13	0.6	17	11	AEB61836 Aeb61836 Human VEG
c	549	13	0.6	17	11	AEB61122 Aeb61122 Human VEG
	550	13	0.6	17	12	ADG47589 Adg47589 DNA duple
c	551	13	0.6	17	12	ADG47604 Adg47604 DNA duple
	552	13	0.6	17	12	ADK13122 Adk13122 Human gli
	553	13	0.6	17	12	ADK13119 Adk13119 Human gli
c	554	13	0.6	17	12	ADK13309 Adk13309 Human gli
c	555	13	0.6	17	12	ADK13522 Adk13522 Human gli
c	556	13	0.6	17	12	ADM58601 Adm58601 Hepatitis
c	557	13	0.6	17	12	ADM58600 Adm58600 Hepatitis
c	558	13	0.6	17	12	ADM57917 Adm57917 Hepatitis
c	559	13	0.6	17	12	ADM57918 Adm57918 Hepatitis
	560	13	0.6	17	12	ADI85776 Adi85776 HCV DNAzy
c	561	13	0.6	17	12	ADI84287 Adi84287 HCV DNAzy
	562	13	0.6	17	12	ADP46277 Adp46277 Extend pr
	563	13	0.6	17	12	ADQ30667 Adq30667 West Nile
	564	13	0.6	17	12	ADQ30666 Adq30666 West Nile
c	565	13	0.6	17	13	ACN65098 Acn65098 Human GDM
c	566	13	0.6	17	13	ACN69437 Acn69437 Human GDM
c	567	13	0.6	17	13	ACN69439 Acn69439 Human GDM
c	568	13	0.6	17	13	ACN69440 Acn69440 Human GDM
c	569	13	0.6	17	13	ACN69438 Acn69438 Human GDM
	570	13	0.6	17	13	ACN73604 Acn73604 Human GDM
c	571	13	0.6	17	13	ACN65100 Acn65100 Human GDM
c	572	13	0.6	17	13	ACN65102 Acn65102 Human GDM
	573	13	0.6	17	13	ACN73606 Acn73606 Human GDM
	574	13	0.6	17	13	ACN73608 Acn73608 Human GDM
c	575	13	0.6	17	13	ACN65099 Acn65099 Human GDM
c	576	13	0.6	17	13	ACN65101 Acn65101 Human GDM
	577	13	0.6	17	13	ACN73605 Acn73605 Human GDM
	578	13	0.6	17	13	ACN73607 Acn73607 Human GDM
c	579	13	0.6	17	13	ACN69441 Acn69441 Human GDM
	580	13	0.6	17	14	ADX99776 Adx99776 Extend pr
	581	13	0.6	17	14	ADX99733 Adx99733 Extend pr
	582	13	0.6	17	14	ADX81947 Adx81947 Melanoma
	583	13	0.6	17	14	ADZ33831 Adz33831 Human HER
c	584	13	0.6	17	14	ADZ31180 Adz31180 Human H-R
	585	13	0.6	17	14	ADZ34016 Adz34016 Human HER
c	586	13	0.6	18	2	AAQ15091 Aaq15091 T-cell re
c	587	13	0.6	18	2	AAQ91959 Aaq91959 T-cell Re
	588	13	0.6	18	2	AAT56729 Aat56729 Human TNF
	589	13	0.6	18	2	AAX67192 Aax67192 Human CD4
	590	13	0.6	18	2	AAX32947 Aax32947 Duplex ta
c	591	13	0.6	18	2	AAT92756 Aat92756 Vbeta20 T
c	592	13	0.6	18	2	AAT85594 Aat85594 Sense oli
	593	13	0.6	18	2	AAT85595 Aat85595 Antisense
c	594	13	0.6	18	3	AAA52849 Aaa52849 Human CD4
	595	13	0.6	18	3	AAZ71485 Aaz71485 Human bia
	596	13	0.6	18	3	AAZ69756 Aaz69756 Human bia
	597	13	0.6	18	3	AAA99607 Aaa99607 Rat D4 re
c	598	13	0.6	18	3	AAA75986 Aaa75986 PCR prime
	599	13	0.6	18	3	AAA75495 Aaa75495 Primer fo
c	600	13	0.6	18	4	AAF94771 Aaf94771 Rac 1 ant
	601	13	0.6	18	6	ABL44181 Abl44181 Human chr
c	602	13	0.6	18	6	ABS66235 Abs66235 Haemophil
c	603	13	0.6	18	8	ACA75484 Aca75484 Human WSX
	604	13	0.6	18	8	ACA75485 Aca75485 Human WSX
	605	13	0.6	18	8	ABX12227 Abx12227 Rat dopam
c	606	13	0.6	18	9	ACH66790 Ach66790 Human WSX
	607	13	0.6	18	9	ACH66791 Ach66791 Human WSX
c	608	13	0.6	18	10	ADC08925 Adc08925 Human WSX
	609	13	0.6	18	10	ADC08926 Adc08926 Human WSX
	610	13	0.6	18	10	ACA62205 Aca62205 pBR322 PC
c	611	13	0.6	18	10	ACA60625 Aca60625 Antisense
c	612	13	0.6	18	10	ABX77450 Abx77450 Human lrb
	613	13	0.6	18	12	ADF29055 Adf29055 Rat dopam
	614	13	0.6	18	12	ADN35827 Adn35827 Human NSC
	615	13	0.6	18	12	ADO56938 Ado56938 Human CAR
	616	13	0.6	18	12	ADO57009 Ado57009 Human CAR
	617	13	0.6	18	13	ADR27187 Adr27187 Human sin
c	618	13	0.6	18	13	ADR49559 Adr49559 PCR prime
	619	13	0.6	18	13	ADS88767 Ads88767 Primer us
c	620	13	0.6	18	14	ADW88133 Adw88133 Human WSX
	621	13	0.6	18	14	ADW88134 Adw88134 Human WSX
c	622	13	0.6	19	2	AAV80144 Aav80144 Osf2/Cbfa
	623	13	0.6	19	3	AAA84371 Aaa84371 Cyclin D2
	624	13	0.6	19	3	AAZ89369 Aaz89369 F. gramin
c	625	13	0.6	19	3	AAZ73871 Aaz73871 Human bia
c	626	13	0.6	19	4	AAF84576 Aaf84576 Probe and
	627	13	0.6	19	5	AAS02696 Aas02696 Human h21
	628	13	0.6	19	5	AAH59533 Aah59533 Cyclin D2
c	629	13	0.6	19	6	ABN86014 Abn86014 Human hep
c	630	13	0.6	19	6	ABK12374 Abk12374 Human tum
	631	13	0.6	19	8	ACF03602 Acf03602 Human NOV
c	632	13	0.6	19	10	ADE27282 Ade27282 Stearoyl-
	633	13	0.6	19	10	ADE27533 Ade27533 Stearoyl-
	634	13	0.6	19	10	ADE27572 Ade27572 Stearoyl-
c	635	13	0.6	19	10	ADE27243 Ade27243 Stearoyl-
c	636	13	0.6	19	10	ADF37143 Adf37143 Human VEG
	637	13	0.6	19	10	ADF36961 Adf36961 Human VEG
c	638	13	0.6	19	10	ADF35848 Adf35848 Human VEG
	639	13	0.6	19	10	ADF36819 Adf36819 Human VEG
c	640	13	0.6	19	10	ADF36637 Adf36637 Human VEG
	641	13	0.6	19	10	ADF36275 Adf36275 Human VEG
c	642	13	0.6	19	10	ADF49452 Adf49452 Human BCL
	643	13	0.6	19	10	ADF49866 Adf49866 Human BCL
	644	13	0.6	19	10	ADH16387 Adh16387 Human BAC
c	645	13	0.6	19	10	ADH16712 Adh16712 Human BAC
	646	13	0.6	19	10	ADJ66268 Adj66268 Human TGF
c	647	13	0.6	19	10	ADJ66396 Adj66396 Human TGF
	648	13	0.6	19	11	ADL78930 Adl78930 Human HER
c	649	13	0.6	19	11	ADL79179 Adl79179 Human HER
	650	13	0.6	19	11	ADL60016 Adl60016 Arabidops
	651	13	0.6	19	12	ADH72496 Adh72496 Human rev
c	652	13	0.6	19	12	ADO15975 Ado15975 4 synthes
	653	13	0.6	19	13	ADR27020 Adr27020 Human sin
c	654	13	0.6	19	13	ADR19866 Adr19866 HCMV UL75
	655	13	0.6	19	13	ADR80355 Adr80355 Human apo
	656	13	0.6	19	13	ADR77411 Adr77411 Human apo
c	657	13	0.6	19	13	ADR82053 Adr82053 Hepatitis
	658	13	0.6	19	13	ADT65966 Adt65966 SARS coro
c	659	13	0.6	19	13	ADT64315 Adt64315 SARS coro
	660	13	0.6	19	13	ADT81854 Adt81854 Apolipopr
	661	13	0.6	19	13	ADT84798 Adt84798 Apolipopr
c	662	13	0.6	19	13	ADT86510 Adt86510 Hepatitis
c	663	13	0.6	19	13	ADU98059 Adu98059 PCR prime
	664	13	0.6	19	14	ADW85564 Adw85564 MAP3K9 ma
c	665	13	0.6	19	14	ADV93772 Adv93772 Beta-secr
	666	13	0.6	19	14	ADV93447 Adv93447 Beta-secr
	667	13	0.6	19	14	ADW79053 Adw79053 Human ace
c	668	13	0.6	19	14	ADW79467 Adw79467 Human ace
	669	13	0.6	19	14	ADW80145 Adw80145 Human KLF
	670	13	0.6	19	14	ADX84592 Adx84592 DNA targe
c	671	13	0.6	19	14	ADX84596 Adx84596 DNA targe
c	672	13	0.6	19	14	ADY57392 Ady57392 Human hai
c	673	13	0.6	19	14	ADY57599 Ady57599 Human hai
	674	13	0.6	19	14	ADY57906 Ady57906 Human hai
	675	13	0.6	19	14	ADY57699 Ady57699 Human hai
	676	13	0.6	19	14	ADY50653 Ady50653 MAPK14 si

677	13	0.6	19	14	ADY82086	Ady82086	Thale-cre
678	13	0.6	19	14	ADY87528	Ady87528	VEGFR siR
679	13	0.6	19	14	ADY88214	Ady88214	VEGFR siR
c 680	13	0.6	19	14	ADY87890	Ady87890	VEGFR siR
681	13	0.6	19	14	ADY88072	Ady88072	VEGFR siR
c 682	13	0.6	19	14	ADY88396	Ady88396	VEGFR siR
c 683	13	0.6	19	14	ADY87101	Ady87101	VEGFR siR
684	13	0.6	19	14	ADZ82449	Adz82449	Method of
685	13	0.6	19	14	ADZ82930	Adz82930	AKT1 gene
686	13	0.6	19	14	ADZ87848	Adz87848	Early gro
c 687	13	0.6	19	14	ADZ88022	Adz88022	Early gro
688	13	0.6	19	14	AEA03492	Aea03492	Hairless
c 689	13	0.6	19	14	AEA03392	Aea03392	Hairless
c 690	13	0.6	19	14	AEA03185	Aea03185	Hairless
691	13	0.6	19	14	AEA03699	Aea03699	Hairless
c 692	13	0.6	19	14	AEA11868	Aea11868	Human ACA
693	13	0.6	19	14	AEA11454	Aea11454	Human ACA
694	13	0.6	19	14	AEB08954	Aeb08954	Human alp
c 695	13	0.6	19	14	AEB08868	Aeb08868	Human alp
696	13	0.6	19	14	AEB29216	Aeb29216	Human siR
697	13	0.6	19	14	AEB54897	Aeb54897	siRNA tar
c 698	13	0.6	19	14	AEB43602	Aeb43602	Novel hum
699	13	0.6	19	14	AEB43428	Aeb43428	Novel hum
c 700	13	0.6	19	14	AEB31647	Aeb31647	Human Aut
701	13	0.6	20	2	AAQ32803	Aaq32803	Microsate
c 702	13	0.6	20	2	AAQ51061	Aaq51061	Human glu
c 703	13	0.6	20	2	AAQ42953	Aaq42953	Sense PCR
704	13	0.6	20	2	AAQ57826	Aaq57826	Primer pa
705	13	0.6	20	2	AAQ71154	Aaq71154	Merlin ex
706	13	0.6	20	2	AAQ84976	Aaq84976	Putative
707	13	0.6	20	2	AAT71951	Aat71951	Primer de
708	13	0.6	20	2	AAT72023	Aat72023	Primer de
709	13	0.6	20	2	AAX32946	Aax32946	Seq ID No
c 710	13	0.6	20	2	AAT93921	Aat93921	Primer fo
c 711	13	0.6	20	2	ADG77873	Adg77873	Canine di
712	13	0.6	20	2	AAV33852	Aav33852	Primer #1
713	13	0.6	20	2	AAV17824	Aav17824	Mus muscu
c 714	13	0.6	20	2	AAX86542	Aax86542	Primer re
c 715	13	0.6	20	2	AAZ06356	Aaz06356	Primer Ex
c 716	13	0.6	20	2	AAZ02841	Aaz02841	PCR prime
717	13	0.6	20	2	AAZ06053	Aaz06053	PCR prime
718	13	0.6	20	2	AAX75985	Aax75985	SB transp
c 719	13	0.6	20	2	AAX92645	Aax92645	PCR prime
720	13	0.6	20	2	AAX94739	Aax94739	PCR prime
c 721	13	0.6	20	3	AAA55741	Aaa55741	TRAF1 ant
c 722	13	0.6	20	3	AAA54273	Aaa54273	Antisense
723	13	0.6	20	3	AAZ76095	Aaz76095	Human bia
c 724	13	0.6	20	3	AAZ76853	Aaz76853	Human bia
c 725	13	0.6	20	3	AAA95924	Aaa95924	Human PSA
c 726	13	0.6	20	3	AAA95619	Aaa95619	TCR Vbeta
c 727	13	0.6	20	3	AAA92115	Aaa92115	Mouse Lhx
c 728	13	0.6	20	3	AAA92112	Aaa92112	Mouse Lhx
c 729	13	0.6	20	3	AAC65384	Aac65384	Human pla
c 730	13	0.6	20	3	AAA88741	Aaa88741	Placenta
c 731	13	0.6	20	4	AAF32981	Aaf32981	Human B7-
732	13	0.6	20	4	AAF72981	Aaf72981	Human dax
733	13	0.6	20	4	AAD11320	Aad11320	Human cot
734	13	0.6	20	4	AAD04755	Aad04755	18747R PC
c 735	13	0.6	20	4	AAI65464	Aai65464	PCR prime
c 736	13	0.6	20	6	ABK68872	Abk68872	Ehrlichia
737	13	0.6	20	6	AAD34038	Aad34038	Human NF-
738	13	0.6	20	6	ABT06305	Abt06305	Human NOV
c 739	13	0.6	20	6	ABL44602	Abl44602	Human chr
740	13	0.6	20	6	ABL44906	Abl44906	Human chr
741	13	0.6	20	6	ABK71989	Abk71989	Human MTG
742	13	0.6	20	6	ABZ31192	Abz31192	Candida a
c 743	13	0.6	20	6	ABZ31120	Abz31120	Candida a
744	13	0.6	20	6	AAS16018	Aas16018	Mouse mic
745	13	0.6	20	6	ABK48560	Abk48560	PCR prime
746	13	0.6	20	6	ABX03702	Abx03702	Human REC
747	13	0.6	20	6	ABK50625	Abk50625	Human MK6
748	13	0.6	20	6	ABQ74823	Abq74823	Human TNF
749	13	0.6	20	6	ABI95923	Abi95923	Capture o
c 750	13	0.6	20	6	ABI94822	Abi94822	Capture o
751	13	0.6	20	6	ABI97435	Abi97435	Capture o
752	13	0.6	20	6	AAD24934	Aad24934	Antisense
753	13	0.6	20	8	ACC70784	Acc70784	Tubercle
c 754	13	0.6	20	8	ABA00531	Aba00531	Phospholi
c 755	13	0.6	20	8	ACC47051	Acc47051	Mouse pho
756	13	0.6	20	8	ABZ81857	Abz81857	Notch2 re
c 757	13	0.6	20	9	ABZ71043	Abz71043	Human HKR
c 758	13	0.6	20	9	ACC99657	Acc99657	Dynamin P
759	13	0.6	20	9	ADA66410	Ada66410	NF-AT DNA
c 760	13	0.6	20	9	ADB25692	Adb25692	Human con
761	13	0.6	20	9	ACD13697	Acd13697	Human epi
c 762	13	0.6	20	9	ACC84623	Acc84623	Borrelia
c 763	13	0.6	20	9	ACC84629	Acc84629	Borrelia
764	13	0.6	20	10	ADB83411	Adb83411	EGF singl
765	13	0.6	20	10	ADC72246	Adc72246	Rat NR3B
766	13	0.6	20	10	ADD24772	Add24772	Human NAT
767	13	0.6	20	10	ADD20233	Add20233	Oreochrom
768	13	0.6	20	10	ADD41937	Add41937	Transposo
c 769	13	0.6	20	10	ADE27916	Ade27916	Human B7-
770	13	0.6	20	10	ADF87809	Adf87809	Single nu
c 771	13	0.6	20	10	ADG93020	Adg93020	Human FT-
772	13	0.6	20	10	ADH63144	Adh63144	FGF recep
773	13	0.6	20	10	ADH93169	Adh93169	Human gen
c 774	13	0.6	20	10	ADH93213	Adh93213	Human gen
775	13	0.6	20	10	ABS56047	Abs56047	PCR prime
776	13	0.6	20	10	AAL53492	Aal53492	Signal tr
c 777	13	0.6	20	10	ABZ99250	Abz99250	Human PDE
778	13	0.6	20	10	ABZ84982	Abz84982	Human oli
c 779	13	0.6	20	10	ABZ98025	Abz98025	Human MCP
780	13	0.6	20	10	ABZ84981	Abz84981	Human oli
c 781	13	0.6	20	10	ABZ91403	Abz91403	Human oli
782	13	0.6	20	10	ABZ93389	Abz93389	Human oli
c 783	13	0.6	20	10	ABZ98024	Abz98024	Human MCP
784	13	0.6	20	10	ABZ88057	Abz88057	Human oli
785	13	0.6	20	10	ABZ89138	Abz89138	Human oli
c 786	13	0.6	20	10	ABZ92266	Abz92266	Human oli
787	13	0.6	20	10	ABZ85383	Abz85383	Human oli
c 788	13	0.6	20	10	ABZ93313	Abz93313	Human oli
c 789	13	0.6	20	10	ABZ80359	Abz80359	CD45 anti
c 790	13	0.6	20	10	ACC79001	Acc79001	Human DC-
791	13	0.6	20	10	ABZ77119	Abz77119	Human ste
792	13	0.6	20	10	ACA58112	Aca58112	Human fam
793	13	0.6	20	10	ADK81929	Adk81929	Human PP1
c 794	13	0.6	20	11	ABD29543	Abd29543	AA664176-
795	13	0.6	20	11	ABD21212	Abd21212	Human tra
c 796	13	0.6	20	11	ABD28496	Abd28496	R33851-de
c 797	13	0.6	20	11	ABD27633	Abd27633	AA448400-
798	13	0.6	20	11	ABD25368	Abd25368	AI122807-
799	13	0.6	20	11	ABD29619	Abd29619	H86812-de
c 800	13	0.6	20	11	ABD31056	Abd31056	Human MCP
c 801	13	0.6	20	11	ABD31055	Abd31055	Human MCP
c 802	13	0.6	20	11	ABD32281	Abd32281	Human PDE
803	13	0.6	20	11	ABD21211	Abd21211	Human tra
804	13	0.6	20	11	ABD21613	Abd21613	S100 calc
805	13	0.6	20	11	ABD24287	Abd24287	AI095013-
c 806	13	0.6	20	12	ADH70977	Adh70977	Human Vbe
c 807	13	0.6	20	12	ADH56450	Adh56450	Human tum
c 808	13	0.6	20	12	ADI30067	Adi30067	Human dua
809	13	0.6	20	12	ADI30017	Adi30017	Human dua
810	13	0.6	20	12	ADK95663	Adk95663	Primer of
c 811	13	0.6	20	12	ADK95481	Adk95481	Primer of
c 812	13	0.6	20	12	ADK95048	Adk95048	Primer of
c 813	13	0.6	20	12	ADJ61135	Adj61135	Oligonucl
c 814	13	0.6	20	12	ADJ59892	Adj59892	Oligonucl
c 815	13	0.6	20	12	ADJ59891	Adj59891	Oligonucl
816	13	0.6	20	12	ADJ53371	Adj53371	Human G p
c 817	13	0.6	20	12	ADJ54358	Adj54358	Human B7-
818	13	0.6	20	12	ADJ62101	Adj62101	Human EDG
c 819	13	0.6	20	12	ADJ96320	Adj96320	Human bre
820	13	0.6	20	12	ADJ96347	Adj96347	Human bre
821	13	0.6	20	12	ADJ96283	Adj96283	Human bre
c 822	13	0.6	20	12	ADJ96419	Adj96419	Human bre

c	823	13	0.6	20	12	ADK76567	Adk76567 Chimeric
c	824	13	0.6	20	12	ADK76975	Adk76975 Chimeric
c	825	13	0.6	20	12	ADK77438	Adk77438 Chimeric
c	826	13	0.6	20	12	ADK77381	Adk77381 Chimeric
c	827	13	0.6	20	12	ADK76723	Adk76723 Chimeric
c	828	13	0.6	20	12	ADK78365	Adk78365 Chimeric
c	829	13	0.6	20	12	ADK78822	Adk78822 Chimeric
c	830	13	0.6	20	12	ADK77554	Adk77554 Chimeric
c	831	13	0.6	20	12	ADL61479	Adl61479 Human pro
	832	13	0.6	20	12	ADM16627	Adm16627 Primer of
c	833	13	0.6	20	12	ADM16671	Adm16671 Primer of
	834	13	0.6	20	12	ADN49197	Adn49197 Rat NR3B
c	835	13	0.6	20	12	ADM14434	Adm14434 Human mPG
c	836	13	0.6	20	12	ADM14630	Adm14630 Human mPG
c	837	13	0.6	20	12	ADM14206	Adm14206 Human mPG
c	838	13	0.6	20	12	ADM14254	Adm14254 Human mPG
c	839	13	0.6	20	12	ADM14339	Adm14339 Human mPG
c	840	13	0.6	20	12	ADM14260	Adm14260 Human mPG
c	841	13	0.6	20	12	ADM14171	Adm14171 Human mPG
c	842	13	0.6	20	12	ADM14499	Adm14499 Human mPG
	843	13	0.6	20	12	ADO59230	Ado59230 PCR prime
	844	13	0.6	20	12	ADM34132	Adm34132 Human CD3
	845	13	0.6	20	12	ADM11329	Adm11329 Antisense
c	846	13	0.6	20	12	ADO45382	Ado45382 Human oli
c	847	13	0.6	20	12	ADO46525	Ado46525 Human oli
c	848	13	0.6	20	12	ADO45381	Ado45381 Human oli
	849	13	0.6	20	12	ADM46851	Adm46851 Human VEG
	850	13	0.6	20	12	ADN58813	Adn58813 Human B7H
c	851	13	0.6	20	12	ADN58961	Adn58961 Human B7H
	852	13	0.6	20	12	ADN72005	Adn72005 Human glu
	853	13	0.6	20	12	ADO25101	Ado25101 Mouse che
c	854	13	0.6	20	12	ADO24993	Ado24993 Mouse che
	855	13	0.6	20	12	ADP48455	Adp48455 Array oli
	856	13	0.6	20	12	ADN29249	Adn29249 Human kal
c	857	13	0.6	20	12	ADN29174	Adn29174 Human kal
	858	13	0.6	20	12	ADP27717	Adp27717 PCR prime
	859	13	0.6	20	12	ADP74320	Adp74320 Human CDK
c	860	13	0.6	20	12	ADP74263	Adp74263 Human CDK
c	861	13	0.6	20	12	ADP67181	Adp67181 Mitochond
	862	13	0.6	20	12	ADP67103	Adp67103 Mitochond
c	863	13	0.6	20	12	ADP67182	Adp67182 Mitochond
	864	13	0.6	20	12	ADP67104	Adp67104 Mitochond
	865	13	0.6	20	12	ADP56756	Adp56756 Antisense
c	866	13	0.6	20	12	ADP56833	Adp56833 Human AMA
c	867	13	0.6	20	12	ADP56832	Adp56832 Human AMA
	868	13	0.6	20	12	ADP56755	Adp56755 Antisense
	869	13	0.6	20	12	ADP84206	Adp84206 Forward P
	870	13	0.6	20	13	ADQ90967	Adq90967 Human fib
	871	13	0.6	20	13	ADR15353	Adr15353 Human gen
c	872	13	0.6	20	13	ADQ99617	Adq99617 Rice SNP
	873	13	0.6	20	13	ADP21151	Adp21151 Potato ve
	874	13	0.6	20	13	ADR89885	Adr89885 Primer fo
	875	13	0.6	20	13	ADS92387	Ads92387 Human TNF
	876	13	0.6	20	13	ADT01054	Adt01054 Novel mut
c	877	13	0.6	20	13	ADT00347	Adt00347 Novel mut
	878	13	0.6	20	13	ADT55177	Adt55177 Probe #5
	879	13	0.6	20	13	ADU21187	Adu21187 Real time
	880	13	0.6	20	13	ADU48759	Adu48759 Mouse glu
c	881	13	0.6	20	13	ADU74859	Adu74859 Saccharom
c	882	13	0.6	20	13	ADU91478	Adu91478 Human B7.
	883	13	0.6	20	14	ADV20961	Adv20961 Human PBP
	884	13	0.6	20	14	ADV61120	Adv61120 Platelet
	885	13	0.6	20	14	ADV96206	Adv96206 Diabetes
	886	13	0.6	20	14	ADW00006	Adw00006 Human pla
	887	13	0.6	20	14	ADV96328	Adv96328 Depressio
	888	13	0.6	20	14	ADW50389	Adw50389 Human B7-
c	889	13	0.6	20	14	ADW50039	Adw50039 Human B7-
	890	13	0.6	20	14	ADW46953	Adw46953 Human pro
	891	13	0.6	20	14	ADW83000	Adw83000 MAP3K9 ma
	892	13	0.6	20	14	ADW85028	Adw85028 MAP3K9 ma
	893	13	0.6	20	14	ADW98148	Adw98148 Human bre
c	894	13	0.6	20	14	ADW98108	Adw98108 Human bre
	895	13	0.6	20	14	ADW98071	Adw98071 Human bre
c	896	13	0.6	20	14	ADW98220	Adw98220 Human bre
	897	13	0.6	20	14	ADX18267	Adx18267 Human Ste
c	898	13	0.6	20	14	ADX18275	Adx18275 Human Ste
	899	13	0.6	20	14	ADX18170	Adx18170 Human Ste
c	900	13	0.6	20	14	ADX03455	Adx03455 Antisense
c	901	13	0.6	20	14	ADX82209	Adx82209 Melanoma
c	902	13	0.6	20	14	ADX82208	Adx82208 Melanoma
c	903	13	0.6	20	14	ADY28151	Ady28151 Receptor
	904	13	0.6	20	14	ADY55274	Ady55274 PCR prime
c	905	13	0.6	20	14	ADY55350	Ady55350 PCR prime
c	906	13	0.6	20	14	ADY72359	Ady72359 Phosphoro
c	907	13	0.6	20	14	ADY78971	Ady78971 SARS coro
	908	13	0.6	20	14	ADZ00163	Adz00163 Human arg
c	909	13	0.6	20	14	ADZ12181	Adz12181 Human c-r
	910	13	0.6	20	14	ADZ10968	Adz10968 Human STA
	911	13	0.6	20	14	ADZ28242	Adz28242 Cyclophil
	912	13	0.6	20	14	ADZ27217	Adz27217 Alzheimer
	913	13	0.6	20	14	ADZ99928	Adz99928 Human STA
c	914	13	0.6	20	14	ADZ99856	Adz99856 2'-MOE ga
	915	13	0.6	20	14	AEB95143	Aeb95143 Rat eIF4E
c	916	13	0.6	20	14	AEB94962	Aeb94962 Rat eIF4E
c	917	13	0.6	20	14	AEC06875	Aec06875 Human DC-
	918	13	0.6	20	14	AEC06691	Aec06691 Human DC-
c	919	13	0.6	21	2	AAQ49477	Aaq49477 Primer "s
c	920	13	0.6	21	2	AAQ40368	Aaq40368 Sequence
c	921	13	0.6	21	2	AAQ75780	Aaq75780 Reverse t
c	922	13	0.6	21	2	AAT95059	Aat95059 Primer fo
	923	13	0.6	21	2	AAV05283	Aav05283 PCR prime
c	924	13	0.6	21	2	AAZ26417	Aaz26417 Human pol
c	925	13	0.6	21	2	AAV79994	Aav79994 BMP-IA DN
c	926	13	0.6	21	3	AAZ59313	Aaz59313 Human STP
	927	13	0.6	21	3	AAZ94599	Aaz94599 Maize cyc
	928	13	0.6	21	3	AAZ76069	Aaz76069 Human bia
c	929	13	0.6	21	3	AAC80351	Aac80351 Forward p
	930	13	0.6	21	4	AAF88023	Aaf88023 Bovine ac
	931	13	0.6	21	4	AAF95372	Aaf95372 Human gen
	932	13	0.6	21	4	AAH62192	Aah62192 Acid phos
c	933	13	0.6	21	4	AAH62656	Aah62656 Synaptota
c	934	13	0.6	21	4	AAH62621	Aah62621 GUCY1B3 p
c	935	13	0.6	21	4	AAI66956	Aai66956 SSP1 cDNA
c	936	13	0.6	21	5	ADG20608	Adg20608 Human ABC
	937	13	0.6	21	6	ABQ78310	Abq78310 Probe use
c	938	13	0.6	21	6	AAL42481	Aal42481 Specific
	939	13	0.6	21	6	ABS98055	Abs98055 Human mul
c	940	13	0.6	21	6	ABA93975	Aba93975 Influenza
c	941	13	0.6	21	6	ABT06151	Abt06151 Human lig
c	942	13	0.6	21	6	ABX97489	Abx97489 Human NOV
c	943	13	0.6	21	6	ABX03845	Abx03845 DNA encod
	944	13	0.6	21	10	ADB88491	Adb88491 Human cyc
	945	13	0.6	21	10	ADD14464	Add14464 Human src
c	946	13	0.6	21	10	ADC73351	Adc73351 Mouse bet
	947	13	0.6	21	10	ADE15615	Ade15615 Tricyclic
c	948	13	0.6	21	10	ADF50106	Adf50106 Human BCL
	949	13	0.6	21	10	ADF50118	Adf50118 Human BCL
	950	13	0.6	21	10	ADF50110	Adf50110 Human BCL
	951	13	0.6	21	10	ADF50126	Adf50126 Human BCL
	952	13	0.6	21	10	ADF87389	Adf87389 Single nu
	953	13	0.6	21	10	ADG29709	Adg29709 BCL2-targ
c	954	13	0.6	21	10	ADG29697	Adg29697 BCL2-targ
	955	13	0.6	21	10	ADG29705	Adg29705 BCL2-targ
	956	13	0.6	21	10	ADG29701	Adg29701 BCL2-targ
	957	13	0.6	21	10	ADK68307	Adk68307 Novel NOV
	958	13	0.6	21	11	ADM65087	Adm65087 NRY polym
	959	13	0.6	21	12	ADF86286	Adf86286 Mouse HB
c	960	13	0.6	21	12	ADG74810	Adg74810 Human glu
c	961	13	0.6	21	12	ADJ53347	Adj53347 Human G p
c	962	13	0.6	21	12	ADJ97818	Adj97818 Human Flk
c	963	13	0.6	21	12	ADJ97820	Adj97820 Human Flk
c	964	13	0.6	21	12	ADJ97554	Adj97554 Human Flt
c	965	13	0.6	21	12	ADJ97819	Adj97819 Human Flk
c	966	13	0.6	21	12	ADJ97821	Adj97821 Human Flk
c	967	13	0.6	21	12	ADN62392	Adn62392 Human NOV
	968	13	0.6	21	12	ADO12862	Ado12862 Single mu

969	13	0.6	21	13	ADR49296	Adr49296 Human NOV
c 970	13	0.6	21	13	ADR68121	Adr68121 BAFF siRN
971	13	0.6	21	13	ADR68120	Adr68120 BAFF siRN
972	13	0.6	21	13	ADT00456	Adt00456 Novel mut
973	13	0.6	21	13	ADS18440	Ads18440 Human sod
c 974	13	0.6	21	13	ADU27260	Adu27260 Knock-dow
975	13	0.6	21	13	ADU41428	Adu41428 Knock-dow
976	13	0.6	21	13	ADU43073	Adu43073 Knock-dow
977	13	0.6	21	13	ADU46552	Adu46552 Knock-dow
978	13	0.6	21	13	ADU44645	Adu44645 Knock-dow
979	13	0.6	21	13	ADU31974	Adu31974 Knock-dow
980	13	0.6	21	13	ADU41039	Adu41039 Knock-dow
c 981	13	0.6	21	13	ADU45426	Adu45426 Knock-dow
982	13	0.6	21	13	ADU29748	Adu29748 Knock-dow
983	13	0.6	21	13	ADU28641	Adu28641 Knock-dow
984	13	0.6	21	13	ADU46612	Adu46612 Knock-dow
c 985	13	0.6	21	13	ADU28722	Adu28722 Knock-dow
986	13	0.6	21	13	ADU41629	Adu41629 Knock-dow
c 987	13	0.6	21	13	ADU43390	Adu43390 Knock-dow
988	13	0.6	21	13	ADU45230	Adu45230 Knock-dow
c 989	13	0.6	21	13	ADU28654	Adu28654 Knock-dow
c 990	13	0.6	21	13	ADU32127	Adu32127 Knock-dow
c 991	13	0.6	21	13	ADU45253	Adu45253 Knock-dow
c 992	13	0.6	21	13	ADU16254	Adu16254 Human int
c 993	13	0.6	21	13	ADV10000	Adv10000 Human cat
c 994	13	0.6	21	13	ADV09999	Adv09999 Human cat
995	13	0.6	21	13	ADV10001	Adv10001 Human cat
996	13	0.6	21	13	AEA82005	Aea82005 Human lup
997	13	0.6	21	13	AEA85578	Aea85578 Human lup
c 998	13	0.6	21	13	AEA85580	Aea85580 Human lup
c 999	13	0.6	21	13	AEA85721	Aea85721 Human lup
1000	13	0.6	21	13	AEA85795	Aea85795 Human lup

ALIGNMENTS

RESULT 1
AAZ50448
ID AAZ50448 standard; DNA; 26 BP.
XX
AC AAZ50448;
XX
DT 18-MAY-2000 (first entry)
XX
DE PB39 specific 5'PCR primer to amplify PB39 variant.
XX
KW PB39; human; prostate cancer; PC; chromosome 11p11.1-11.2; cancer;
KW prostate epithelium; splicing mechanism; early diagnosis; progression;
KW precancerous cell; metastatic potential; non-neoplastic prostate disease;
KW expressed sequence tag; EST; PCR primer; variant; ss.
XX
OS Homo sapiens.
XX
PN WO200005376-A1.
XX
PD 03-FEB-2000.
XX
PF 23-JUL-1999; 99WO-US016831.
XX
PR 24-JUL-1998; 98US-0094137P.
XX
PA (USSH) US DEPT HEALTH & HUMAN SERVICES.
XX
PI Chuaqui RF, Cole KA, Liotta LA;
XX
DR WPI; 2000-182700/16.
XX
PT Novel gene which is dysregulated in prostate cancer useful for diagnosing
PT cancer.
XX
PS Claim 5; Page 18; 51pp; English.
XX
CC The present sequence is the PB39 specific 5'primer, used to amplify the
CC variant cDNA from human pancreas library. It is used for the analysis of
CC the longer variant of PB39, encoding a 5kb transcript. The PB39 gene is
CC dysregulated in prostate cancer and portion of this gene is homologous to
CC EST AAR00504. PB39 gene is mapped to chromosome 11p11.1-11.2. Abnormally
CC high concentrations of PB39 are found in prostate tissue derived from
CC prostate cancer (PC) epithelium. PB39 sequence is useful for detection of
CC precancerous or cancer cells in the prostate. PB39 is useful for early
CC diagnosis of the progression of prostate cancer, especially in aggressive
CC prostate carcinoma. It can also distinguish PC from other non-neoplastic
CC prostate disease. The diagnostic method is selective and specific for
CC various types of PC and also facilitates identifying prostate cancer of
CC differing aggressiveness and metastatic potential
XX
SQ Sequence 26 BP; 4 A; 10 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 1.1%; Score 26; DB 3; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.077;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        693 CCTGCCTTATCTTTCTGAACTGCACC 718
              ||||||||||||||||||||||||||
Db          1 CCTGCCTTATCTTTCTGAACTGCACC 26
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RESULT 2
ACD20492
ID ACD20492 standard; DNA; 26 BP.
XX
AC ACD20492;
XX
DT 26-AUG-2003 (first entry)
XX
DE Human NOVX DNA probe #22.
XX
KW Human; NOVX; inflammatory disorder; demyelination disease; stroke;
KW renal disorder; infection; cardiomyopathy; atherosclerosis; acne;
KW hypertension; pancreatitis; Von Hippel-Lindau; endometriosis; fertility;
KW scleroderma; cirrhosis; inflammatory bowel disease; Crohn's disease;
KW haemophilia; autoimmune disease; allergy; AIDS;
KW graft versus host disease; Alzheimer's disease; arthritis; pain;
KW Parkinson's disease; Huntington's disease; obesity; diabetes;
KW hair growth; hair loss; asthma; schizophrenia; glomerulonephritis;
KW lupus erythematosus; psoriasis; antidiabetic; anorectic; metabolic;
KW nootropic; neuroprotective; cytostatic; antibacterial; virucide;
KW protozoacide; antiarteriosclerotic; hypotensive; cerebroprotective;
KW antiinflammatory; gynaecological; antiinfertility; dermatological;
KW hepatotropic; haemostatic; immunosuppressive; antiallergic;
KW antiarthritic; anticonvulsant; antiseborrhoeic; antiasthmatic;
KW neuroleptic; anti-HIV; analgesic; nephrotropic; antipsoriatic; probe; ss.
XX
OS Homo sapiens.
XX
PN WO200298917-A2.
XX
PD 12-DEC-2002.
XX
PF 12-FEB-2002; 2002WO-US022049.
XX
PR 12-FEB-2001; 2001US-0268221P.
PR 13-FEB-2001; 2001US-0268496P.
PR 14-FEB-2001; 2001US-0268646P.
PR 14-FEB-2001; 2001US-0268665P.
PR 15-FEB-2001; 2001US-0269136P.
PR 16-FEB-2001; 2001US-0269310P.
PR 16-FEB-2001; 2001US-0269530P.
PR 15-MAR-2001; 2001US-0276405P.
PR 16-MAR-2001; 2001US-0276399P.
PR 16-MAR-2001; 2001US-0276703P.
PR 23-MAR-2001; 2001US-0278199P.
PR 28-MAR-2001; 2001US-0279274P.
PR 30-MAR-2001; 2001US-0280238P.
PR 02-APR-2001; 2001US-0280899P.

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PR   08-AUG-2001; 2001US-0310797P.
PR   14-AUG-2001; 2001US-0312284P.
PR   14-SEP-2001; 2001US-0322294P.
PR   14-SEP-2001; 2001US-0322295P.
PR   18-OCT-2001; 2001US-0330293P.
PR   31-OCT-2001; 2001US-0335104P.
PR   31-OCT-2001; 2001US-0335109P.
PR   21-NOV-2001; 2001US-0332127P.
PR   28-NOV-2001; 2001US-0331772P.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Guo X, Fernandes E, Li L, Kekuda R, Liu Y, Leite M, Spytek KA;
PI   Ji W, Casman SJ, Boldog FL, Patturajan M, Vernet CAM, Ballinger RA;
PI   Malyankar UM, Tchernev VT, Blalock AD, Gusev VY, Rastelli L;
PI   Mezes PD, Ellerman K, Heyes M, Herrmann JL, Shimkets RA, Ioime N;
PI   Pena CEA, Shenoy SG, Taupier RJ, Gerlach V, Gorman L;
XX
DR   WPI; 2003-148650/14.
XX
PT   Novel NOVX polypeptide useful for identifying an agent that binds to the
PT   polypeptide, and for treating cardiomyopathy, atherosclerosis,
PT   hypertension, infertility, scleroderma, cirrhosis, and inflammatory bowel
PT   disease.
XX
PS   Example 3; Page 488; 566pp; English.
XX
CC   The present invention relates to the isolation of novel human
CC   polypeptides referred to as NOVX (NOV1-NOV37), variants of these
CC   proteins, and the polynucleotide sequences encoding them. The NOVX
CC   proteins of the invention share homology to varies types of protein
CC   families such as zinc finger-like proteins, enzymes, receptors, and
CC   lipoproteins. The sequences of the invention may be useful in the
CC   manufacture of a medicament for treating a syndrome associated with a
CC   human disease. For example they can be used to treat inflammatory
CC   disorders, demyelination disease, renal disorders, infections,
CC   cardiomyopathy, atherosclerosis, hypertension, stroke, pancreatitis, Von
CC   Hippel-Lindau, endometriosis, fertility, scleroderma, cirrhosis,
CC   inflammatory bowel disease, Crohn's disease, haemophilia, autoimmune
CC   diseases, allergies, graft versus host disease, Alzheimer's disease,
CC   arthritis, Parkinson's disease, Huntington's disease, obesity, diabetes,
CC   acne, hair growth/loss, asthma, schizophrenia, AIDS, pain,
CC   glomerulonephritis, lupus erythematosus, and psoriasis. The present
CC   sequence represents a probe used in the examples of the present
CC   invention. Note: SEQ ID Nos 113-460 are known sequences used for homology
CC   purposes
XX
SQ   Sequence 26 BP; 5 A; 8 C; 5 G; 8 T; 0 U; 0 Other;

  Query Match             1.1%;  Score 26;  DB 8;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 0.077;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        739 CTTTCCTGCCCCTGAGGAAGTCAATT 764
              ||||||||||||||||||||||||||
Db          1 CTTTCCTGCCCCTGAGGAAGTCAATT 26


RESULT 3
ACC72282
ID   ACC72282 standard; DNA; 26 BP.
XX
AC   ACC72282;
XX
DT   07-JUL-2003  (first entry)
XX
DE   Ag4870 probe.
XX
KW   Human; NOV; antidiabetic; anorectic; antibacterial; virucide;
KW   immunomodulator; cytostatic; nootropic; neuroprotective;
KW   antiparkinsonian; antilipaemic; gene therapy; metabolic disorder;
KW   diabetes; obesity; infection; cachexia; cancer; probe;
KW   neurodegenerative disorder; Alzheimer's disease; Parkinson's disease;
KW   immune disorder; haematopoietic disorder; dyslipidaemia; ss.
XX
OS   Homo sapiens.
XX
PN   WO2003029423-A2.
XX
PD   10-APR-2003.
XX
PF   02-OCT-2002; 2002WO-US031358.
XX
PR   02-OCT-2001; 2001US-0326483P.
PR   05-OCT-2001; 2001US-0327342P.
PR   09-OCT-2001; 2001US-0327917P.
PR   09-OCT-2001; 2001US-0328029P.
PR   09-OCT-2001; 2001US-0328044P.
PR   09-OCT-2001; 2001US-0328056P.
PR   12-OCT-2001; 2001US-0328849P.
PR   15-OCT-2001; 2001US-0329414P.
PR   17-OCT-2001; 2001US-0330142P.
PR   22-OCT-2001; 2001US-0341058P.
PR   24-OCT-2001; 2001US-0339266P.
PR   24-OCT-2001; 2001US-0343629P.
PR   29-OCT-2001; 2001US-0349575P.
PR   01-NOV-2001; 2001US-0346357P.
PR   12-APR-2002; 2002US-0371972P.
PR   12-APR-2002; 2002US-0371980P.
PR   17-APR-2002; 2002US-0373261P.
PR   19-APR-2002; 2002US-0373805P.
PR   23-APR-2002; 2002US-0374738P.
PR   16-MAY-2002; 2002US-0381101P.
PR   17-MAY-2002; 2002US-0381635P.
PR   29-MAY-2002; 2002US-0383830P.
PR   01-OCT-2002; 2002US-00262839.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Alsobrook JP, Anderson DW, Boldog FL, Burgess CE, Catterton E;
PI   Edinger SR, Ellerman K, Gerlach VL, Gorman L, Guo X, Ji W;
PI   Kekuda R, Leach MD, Li L, Miller CE, Patturajan M, Rieger DK;
PI   Rothenberg ME, Shimkets RA, Smithson G, Spytek KA, Taupier RJ;
PI   Vernet CAM, Voss EZ, Zerhusen BD, Zhong M;
XX
DR   WPI; 2003-381625/36.
XX
PT   NOVX polypeptides and nucleic acids useful for diagnosing, preventing or
PT   treating NOVX-associated disorders, e.g. diabetes, obesity, cancer or
PT   dyslipidemia, and in chromosome mapping, tissue typing or
PT   pharmacogenomics.
XX
PS   Example C; Page 392; 487pp; English.
XX
CC   The present invention relates to novel human NOV proteins and their
CC   coding sequences (ACC72075-ACC72181 and ABR58363-ABR58469). The NOV
CC   proteins are useful in manufacturing a medicament for treating a syndrome
CC   associated with a human disease. The NOV proteins and coding sequences
CC   may be used to diagnose, treat or prevent metabolic disorders such as
CC   diabetes or obesity, infections, cachexia, cancer, neurodegenerative
CC   disorders such as Alzheimer's disease or Parkinson's disease, immune
CC   disorders, haematopoietic disorders and various dyslipidaemias. The
CC   present sequence is a probe, used in an example from the invention
XX
SQ   Sequence 26 BP; 5 A; 8 C; 5 G; 8 T; 0 U; 0 Other;

  Query Match             1.1%;  Score 26;  DB 8;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 0.077;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        739 CTTTCCTGCCCCTGAGGAAGTCAATT 764
              ||||||||||||||||||||||||||
Db          1 CTTTCCTGCCCCTGAGGAAGTCAATT 26


RESULT 4
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ACC72285
ID   ACC72285 standard; DNA; 25 BP.
XX
AC   ACC72285;
XX
DT   07-JUL-2003  (first entry)
XX
DE   Ag5280 probe.
XX
KW   Human; NOV; antidiabetic; anorectic; antibacterial; virucide;
KW   immunomodulator; cytostatic; nootropic; neuroprotective;
KW   antiparkinsonian; antilipaemic; gene therapy; metabolic disorder;
KW   diabetes; obesity; infection; cachexia; cancer; probe;
KW   neurodegenerative disorder; Alzheimer's disease; Parkinson's disease;
KW   immune disorder; haematopoietic disorder; dyslipidaemia; ss.
XX
OS   Homo sapiens.
XX
PN   WO2003029423-A2.
XX
PD   10-APR-2003.
XX
PF   02-OCT-2002; 2002WO-US031358.
XX
PR   02-OCT-2001; 2001US-0326483P.
PR   05-OCT-2001; 2001US-0327342P.
PR   09-OCT-2001; 2001US-0327917P.
PR   09-OCT-2001; 2001US-0328029P.
PR   09-OCT-2001; 2001US-0328044P.
PR   09-OCT-2001; 2001US-0328056P.
PR   12-OCT-2001; 2001US-0328849P.
PR   15-OCT-2001; 2001US-0329414P.
PR   17-OCT-2001; 2001US-0330142P.
PR   22-OCT-2001; 2001US-0341058P.
PR   24-OCT-2001; 2001US-0339266P.
PR   24-OCT-2001; 2001US-0343629P.
PR   29-OCT-2001; 2001US-0349575P.
PR   01-NOV-2001; 2001US-0346357P.
PR   12-APR-2002; 2002US-0371972P.
PR   12-APR-2002; 2002US-0371980P.
PR   17-APR-2002; 2002US-0373261P.
PR   19-APR-2002; 2002US-0373805P.
PR   23-APR-2002; 2002US-0374738P.
PR   16-MAY-2002; 2002US-0381101P.
PR   17-MAY-2002; 2002US-0381635P.
PR   29-MAY-2002; 2002US-0383830P.
PR   01-OCT-2002; 2002US-00262839.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Alsobrook JP,  Anderson DW,  Boldog FL,  Burgess CE,  Catterton E;
PI   Edinger SR,  Ellerman K,  Gerlach VL,  Gorman L,  Guo X,  Ji W;
PI   Kekuda R,  Leach MD,  Li L,  Miller CE,  Patturajan M,  Rieger DK;
PI   Rothenberg ME,  Shimkets RA,  Smithson G,  Spytek KA,  Taupier RJ;
PI   Vernet CAM,  Voss EZ,  Zerhusen BD,  Zhong M;
XX
DR   WPI; 2003-381625/36.
XX
PT   NOVX polypeptides and nucleic acids useful for diagnosing, preventing or
PT   treating NOVX-associated disorders, e.g. diabetes, obesity, cancer or
PT   dyslipidemia, and in chromosome mapping, tissue typing or
PT   pharmacogenomics.
XX
PS   Example C; Page 392; 487pp; English.
XX
CC   The present invention relates to novel human NOV proteins and their
CC   coding sequences (ACC72075-ACC72181 and ABR58363-ABR58469). The NOV
CC   proteins are useful in manufacturing a medicament for treating a syndrome
CC   associated with a human disease. The NOV proteins and coding sequences
CC   may be used to diagnose, treat or prevent metabolic disorders such as
CC   diabetes or obesity, infections, cachexia, cancer, neurodegenerative
CC   disorders such as Alzheimer's disease or Parkinson's disease, immune
CC   disorders, haematopoietic disorders and various dyslipidaemias. The
CC   present sequence is a probe, used in an example from the invention
XX
SQ   Sequence 25 BP; 6 A; 7 C; 6 G; 6 T; 0 U; 0 Other;

  Query Match             1.1%;  Score 25;  DB 8;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.24;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        200 AACGAGGGCTTCTATTCCAGCACGT 224
              |||||||||||||||||||||||||
Db          1 AACGAGGGCTTCTATTCCAGCACGT 25


RESULT 5
AAZ50444/c
ID   AAZ50444 standard; DNA; 22 BP.
XX
AC   AAZ50444;
XX
DT   18-MAY-2000  (first entry)
XX
DE   EST R00504-specific primer 1.
XX
KW   PB39; human; prostate cancer; PC; chromosome 11p11.1-11.2; cancer;
KW   prostate epithelium; splicing mechanism; early diagnosis; progression;
KW   precancerous cell; metastatic potential; non-neoplastic prostate disease;
KW   expressed sequence tag; EST; PCR primer; ss.
XX
OS   Homo sapiens.
XX
PN   WO200005376-A1.
XX
PD   03-FEB-2000.
XX
PF   23-JUL-1999;   99WO-US016831.
XX
PR   24-JUL-1998;   98US-0094137P.
XX
PA   (USSH ) US DEPT HEALTH & HUMAN SERVICES.
XX
PI   Chuaqui RF,  Cole KA,  Liotta LA;
XX
DR   WPI; 2000-182700/16.
XX
PT   Novel gene which is dysregulated in prostate cancer useful for diagnosing
PT   cancer.
XX
PS   Claim 5; Page 16; 51pp; English.
XX
CC   The present sequence is the EST AAR00504-specific PCR primer, used for
CC   amplification of sequences contained within the EST AAR00504. It is
CC   useful to probe the gene overexpressed in prostate cancer epithelium and
CC   to analyse the differential expression of the EST. The PB39 gene that is
CC   dysregulated in prostate cancer is isolated from human pancreas cDNA
CC   library and has homology to the EST AAR00504. PB39 gene is located on
CC   chromosome 11p11.1-11.2. Abnormally high concentrations of PB39 are found
CC   in prostate tissue derived from prostate cancer (PC) epithelium. PB39
CC   sequence is useful for detection of precancerous or cancer cells in the
CC   prostate. PB39 is useful for early diagnosis of the progression of
CC   prostate cancer, especially in aggressive prostate carcinoma. It can also
CC   distinguish PC from other non-neoplastic prostate disease. The diagnostic
CC   method is selective and specific for various types of PC and also
CC   facilitates identifying prostate cancer of differing aggressiveness and
CC   metastatic potential
XX
SQ   Sequence 22 BP; 8 A; 4 C; 6 G; 4 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 22;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.5;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1826 GGCTTTTCTACCTGTAACATGC 1847
              ||||||||||||||||||||||
```

```
Db         22 GGCTTTTCTACCTGTAACATGC 1

RESULT 6
ACD20493/c
ID   ACD20493 standard; DNA; 22 BP.
XX
AC   ACD20493;
XX
DT   26-AUG-2003  (first entry)
XX
DE   Human NOVX DNA PCR primer #44.
XX
KW   Human; NOVX; inflammatory disorder; demyelination disease; stroke;
KW   renal disorder; infection; cardiomyopathy; atherosclerosis; acne;
KW   hypertension; pancreatitis; Von Hippel-Lindau; endometriosis; fertility;
KW   scleroderma; cirrhosis; inflammatory bowel disease; Crohn's disease;
KW   haemophilia; autoimmune disease; allergy; AIDS;
KW   graft versus host disease; Alzheimer's disease; arthritis; pain;
KW   Parkinson's disease; Huntington's disease; obesity; diabetes;
KW   hair growth; hair loss; asthma; schizophrenia; glomerulonephritis;
KW   lupus erythematosus; psoriasis; antidiabetic; anorectic; metabolic;
KW   nootropic; neuroprotective; cytostatic; antibacterial; virucide;
KW   protozoacide; antiarteriosclerotic; hypotensive; cerebroprotective;
KW   antiinflammatory; gynaecological; antiinfertility; dermatological;
KW   hepatotropic; haemostatic; immunosuppressive; antiallergic;
KW   antiarthritic; anticonvulsant; antiseborrhoeic; antiasthmatic;
KW   neuroleptic; anti-HIV; analgesic; nephrotropic; antipsoriatic; PCR;
KW   primer; ss.
XX
OS   Homo sapiens.
XX
PN   WO200298917-A2.
XX
PD   12-DEC-2002.
XX
PF   12-FEB-2002; 2002WO-US022049.
XX
PR   12-FEB-2001; 2001US-0268221P.
PR   13-FEB-2001; 2001US-0268496P.
PR   14-FEB-2001; 2001US-0268646P.
PR   14-FEB-2001; 2001US-0268665P.
PR   15-FEB-2001; 2001US-0269136P.
PR   16-FEB-2001; 2001US-0269310P.
PR   16-FEB-2001; 2001US-0269530P.
PR   15-MAR-2001; 2001US-0276405P.
PR   16-MAR-2001; 2001US-0276399P.
PR   16-MAR-2001; 2001US-0276703P.
PR   23-MAR-2001; 2001US-0278199P.
PR   28-MAR-2001; 2001US-0279274P.
PR   30-MAR-2001; 2001US-0280238P.
PR   02-APR-2001; 2001US-0280899P.
PR   08-AUG-2001; 2001US-0310797P.
PR   14-AUG-2001; 2001US-0312284P.
PR   14-SEP-2001; 2001US-0322294P.
PR   14-SEP-2001; 2001US-0322295P.
PR   18-OCT-2001; 2001US-0330293P.
PR   31-OCT-2001; 2001US-0335104P.
PR   31-OCT-2001; 2001US-0335109P.
PR   21-NOV-2001; 2001US-0332127P.
PR   28-NOV-2001; 2001US-0331772P.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Guo X, Fernandes E, Li L, Kekuda R, Liu Y, Leite M, Spytek KA;
PI   Ji W, Casman SJ, Boldog FL, Patturajan M, Vernet CAM, Ballinger RA;
PI   Malyankar UM, Tchernev VT, Blalock AD, Gusev VY, Rastelli L;
PI   Mezes PD, Ellerman K, Heyes M, Herrmann JL, Shimkets RA, Ioime N;
PI   Pena CEA, Shenoy SG, Taupier RJ, Gerlach V, Gorman L;
XX
DR   WPI; 2003-148650/14.
XX
PT   Novel NOVX polypeptide useful for identifying an agent that binds to the
PT   polypeptide, and for treating cardiomyopathy, atherosclerosis,
PT   hypertension, infertility, scleroderma, cirrhosis, and inflammatory bowel
PT   disease.
XX
PS   Example 3; Page 488; 566pp; English.
XX
CC   The present invention relates to the isolation of novel human
CC   polypeptides referred to as NOVX (NOV1-NOV37), variants of these
CC   proteins, and the polynucleotide sequences encoding them. The NOVX
CC   proteins of the invention share homology to varies types of protein
CC   families such as zinc finger-like proteins, enzymes, receptors, and
CC   lipoproteins. The sequences of the invention may be useful in the
CC   manufacture of a medicament for treating a syndrome associated with a
CC   human disease. For example they can be used to treat inflammatory
CC   disorders, demyelination disease, renal disorders, infections,
CC   cardiomyopathy, atherosclerosis, hypertension, stroke, pancreatitis, Von
CC   Hippel-Lindau, endometriosis, fertility, scleroderma, cirrhosis,
CC   inflammatory bowel disease, Crohn's disease, haemophilia, autoimmune
CC   diseases, allergies, graft versus host disease, Alzheimer's disease,
CC   arthritis, Parkinson's disease, Huntington's disease, obesity, diabetes,
CC   acne, hair growth/loss, asthma, schizophrenia, AIDS, pain,
CC   glomerulonephritis, lupus erythematosus, and psoriasis. The present
CC   sequence represents a PCR primer used in the examples of the present
CC   invention. Note: SEQ ID Nos 113-460 are known sequences used for homology
CC   purposes
XX
SQ   Sequence 22 BP; 3 A; 7 C; 3 G; 9 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 22;  DB 8;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.5;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        767 ACGAAGAAGATCAAGCTGAGTG 788
              ||||||||||||||||||||||
Db         22 ACGAAGAAGATCAAGCTGAGTG 1


RESULT 7
ACD20491
ID   ACD20491 standard; DNA; 22 BP.
XX
AC   ACD20491;
XX
DT   26-AUG-2003  (first entry)
XX
DE   Human NOVX DNA PCR primer #43.
XX
KW   Human; NOVX; inflammatory disorder; demyelination disease; stroke;
KW   renal disorder; infection; cardiomyopathy; atherosclerosis; acne;
KW   hypertension; pancreatitis; Von Hippel-Lindau; endometriosis; fertility;
KW   scleroderma; cirrhosis; inflammatory bowel disease; Crohn's disease;
KW   haemophilia; autoimmune disease; allergy; AIDS;
KW   graft versus host disease; Alzheimer's disease; arthritis; pain;
KW   Parkinson's disease; Huntington's disease; obesity; diabetes;
KW   hair growth; hair loss; asthma; schizophrenia; glomerulonephritis;
KW   lupus erythematosus; psoriasis; antidiabetic; anorectic; metabolic;
KW   nootropic; neuroprotective; cytostatic; antibacterial; virucide;
KW   protozoacide; antiarteriosclerotic; hypotensive; cerebroprotective;
KW   antiinflammatory; gynaecological; antiinfertility; dermatological;
KW   hepatotropic; haemostatic; immunosuppressive; antiallergic;
KW   antiarthritic; anticonvulsant; antiseborrhoeic; antiasthmatic;
KW   neuroleptic; anti-HIV; analgesic; nephrotropic; antipsoriatic; PCR;
KW   primer; ss.
XX
OS   Homo sapiens.
XX
PN   WO200298917-A2.
XX
PD   12-DEC-2002.
XX
PF   12-FEB-2002; 2002WO-US022049.
XX
PR   12-FEB-2001; 2001US-0268221P.
```

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PR   13-FEB-2001; 2001US-0268496P.
PR   14-FEB-2001; 2001US-0268646P.
PR   14-FEB-2001; 2001US-0268665P.
PR   15-FEB-2001; 2001US-0269136P.
PR   16-FEB-2001; 2001US-0269310P.
PR   16-FEB-2001; 2001US-0269530P.
PR   15-MAR-2001; 2001US-0276405P.
PR   16-MAR-2001; 2001US-0276399P.
PR   16-MAR-2001; 2001US-0276703P.
PR   23-MAR-2001; 2001US-0278199P.
PR   28-MAR-2001; 2001US-0279274P.
PR   30-MAR-2001; 2001US-0280238P.
PR   02-APR-2001; 2001US-0280899P.
PR   08-AUG-2001; 2001US-0310797P.
PR   14-AUG-2001; 2001US-0312284P.
PR   14-SEP-2001; 2001US-0322294P.
PR   14-SEP-2001; 2001US-0322295P.
PR   18-OCT-2001; 2001US-0330293P.
PR   31-OCT-2001; 2001US-0335104P.
PR   31-OCT-2001; 2001US-0335109P.
PR   21-NOV-2001; 2001US-0332127P.
PR   28-NOV-2001; 2001US-0331772P.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Guo X, Fernandes E, Li L, Kekuda R, Liu Y, Leite M, Spytek KA;
PI   Ji W, Casman SJ, Boldog FL, Patturajan M, Vernet CAM, Ballinger RA;
PI   Malyankar UM, Tchernev VT, Blalock AD, Gusev VY, Rastelli L;
PI   Mezes PD, Ellerman K, Heyes M, Herrmann JL, Shimkets RA, Ioime N;
PI   Pena CEA, Shenoy SG, Taupier RJ, Gerlach V, Gorman L;
XX
DR   WPI; 2003-148650/14.
XX
PT   Novel NOVX polypeptide useful for identifying an agent that binds to the
PT   polypeptide, and for treating cardiomyopathy, atherosclerosis,
PT   hypertension, infertility, scleroderma, cirrhosis, and inflammatory bowel
PT   disease.
XX
PS   Example 3; Page 488; 566pp; English.
XX
CC   The present invention relates to the isolation of novel human
CC   polypeptides referred to as NOVX (NOV1-NOV37), variants of these
CC   proteins, and the polynucleotide sequences encoding them. The NOVX
CC   proteins of the invention share homology to varies types of protein
CC   families such as zinc finger-like proteins, enzymes, receptors, and
CC   lipoproteins. The sequences of the invention may be useful in the
CC   manufacture of a medicament for treating a syndrome associated with a
CC   human disease. For example they can be used to treat inflammatory
CC   disorders, demyelination disease, renal disorders, infections,
CC   cardiomyopathy, atherosclerosis, hypertension, stroke, pancreatitis, Von
CC   Hippel-Lindau, endometriosis, fertility, scleroderma, cirrhosis,
CC   inflammatory bowel disease, Crohn's disease, haemophilia, autoimmune
CC   diseases, allergies, graft versus host disease, Alzheimer's disease,
CC   arthritis, Parkinson's disease, Huntington's disease, obesity, diabetes,
CC   acne, hair growth/loss, asthma, schizophrenia, AIDS, pain,
CC   glomerulonephritis, lupus erythematosus, and psoriasis. The present
CC   sequence represents a PCR primer used in the examples of the present
CC   invention. Note: SEQ ID Nos 113-460 are known sequences used for homology
CC   purposes
XX
SQ   Sequence 22 BP; 3 A; 7 C; 3 G; 9 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 22;  DB 8;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.5;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 GCCTGCCTTATCTTTCTGAACT 713
              ||||||||||||||||||||||
Db          1 GCCTGCCTTATCTTTCTGAACT 22


RESULT 8
ACC72281
ID   ACC72281 standard; DNA; 22 BP.
XX
AC   ACC72281;
XX
DT   07-JUL-2003  (first entry)
XX
DE   Forward Ag4870 PCR primer.
XX
KW   Human; NOV; antidiabetic; anorectic; antibacterial; virucide;
KW   immunomodulator; cytostatic; nootropic; neuroprotective;
KW   antiparkinsonian; antilipaemic; gene therapy; metabolic disorder;
KW   diabetes; obesity; infection; cachexia; cancer; PCR; primer;
KW   neurodegenerative disorder; Alzheimer's disease; Parkinson's disease;
KW   immune disorder; haematopoietic disorder; dyslipidaemia; ss.
XX
OS   Homo sapiens.
XX
PN   WO2003029423-A2.
XX
PD   10-APR-2003.
XX
PF   02-OCT-2002; 2002WO-US031358.
XX
PR   02-OCT-2001; 2001US-0326483P.
PR   05-OCT-2001; 2001US-0327342P.
PR   09-OCT-2001; 2001US-0327917P.
PR   09-OCT-2001; 2001US-0328029P.
PR   09-OCT-2001; 2001US-0328044P.
PR   09-OCT-2001; 2001US-0328056P.
PR   12-OCT-2001; 2001US-0328849P.
PR   15-OCT-2001; 2001US-0329414P.
PR   17-OCT-2001; 2001US-0330142P.
PR   22-OCT-2001; 2001US-0341058P.
PR   24-OCT-2001; 2001US-0339266P.
PR   24-OCT-2001; 2001US-0343629P.
PR   29-OCT-2001; 2001US-0349575P.
PR   01-NOV-2001; 2001US-0346357P.
PR   12-APR-2002; 2002US-0371972P.
PR   12-APR-2002; 2002US-0371980P.
PR   17-APR-2002; 2002US-0373261P.
PR   19-APR-2002; 2002US-0373805P.
PR   23-APR-2002; 2002US-0374738P.
PR   16-MAY-2002; 2002US-0381101P.
PR   17-MAY-2002; 2002US-0381635P.
PR   29-MAY-2002; 2002US-0383830P.
PR   01-OCT-2002; 2002US-00262839.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Alsobrook JP, Anderson DW, Boldog FL, Burgess CE, Catterton E;
PI   Edinger SR, Ellerman K, Gerlach VL, Gorman L, Guo X, Ji W;
PI   Kekuda R, Leach MD, Li L, Miller CE, Patturajan M, Rieger DK;
PI   Rothenberg ME, Shimkets RA, Smithson G, Spytek KA, Taupier RJ;
PI   Vernet CAM, Voss EZ, Zerhusen BD, Zhong M;
XX
DR   WPI; 2003-381625/36.
XX
PT   NOVX polypeptides and nucleic acids useful for diagnosing, preventing or
PT   treating NOVX-associated disorders, e.g. diabetes, obesity, cancer or
PT   dyslipidemia, and in chromosome mapping, tissue typing or
PT   pharmacogenomics.
XX
PS   Example C; Page 392; 487pp; English.
XX
CC   The present invention relates to novel human NOV proteins and their
CC   coding sequences (ACC72075-ACC72181 and ABR58363-ABR58469). The NOV
CC   proteins are useful in manufacturing a medicament for treating a syndrome
CC   associated with a human disease. The NOV proteins and coding sequences
CC   may be used to diagnose, treat or prevent metabolic disorders such as
CC   diabetes or obesity, infections, cachexia, cancer, neurodegenerative
CC   disorders such as Alzheimer's disease or Parkinson's disease, immune
CC   disorders, haematopoietic disorders and various dyslipidaemias. The
CC   present sequence is a PCR primer, used in an example from the invention
```

```
XX
SQ   Sequence 22 BP; 3 A; 7 C; 3 G; 9 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 22;  DB 8;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.5;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 GCCTGCCTTATCTTTCTGAACT 713
              ||||||||||||||||||||||
Db          1 GCCTGCCTTATCTTTCTGAACT 22


RESULT 9
ACC72283/c
ID   ACC72283 standard; DNA; 22 BP.
XX
AC   ACC72283;
XX
DT   07-JUL-2003  (first entry)
XX
DE   Reverse Ag4870 PCR primer.
XX
KW   Human; NOV; antidiabetic; anorectic; antibacterial; virucide;
KW   immunomodulator; cytostatic; nootropic; neuroprotective;
KW   antiparkinsonian; antilipaemic; gene therapy; metabolic disorder;
KW   diabetes; obesity; infection; cachexia; cancer; PCR; primer;
KW   neurodegenerative disorder; Alzheimer's disease; Parkinson's disease;
KW   immune disorder; haematopoietic disorder; dyslipidaemia; ss.
XX
OS   Homo sapiens.
XX
PN   WO2003029423-A2.
XX
PD   10-APR-2003.
XX
PF   02-OCT-2002; 2002WO-US031358.
XX
PR   02-OCT-2001; 2001US-0326483P.
PR   05-OCT-2001; 2001US-0327342P.
PR   09-OCT-2001; 2001US-0327917P.
PR   09-OCT-2001; 2001US-0328029P.
PR   09-OCT-2001; 2001US-0328044P.
PR   09-OCT-2001; 2001US-0328056P.
PR   12-OCT-2001; 2001US-0328849P.
PR   15-OCT-2001; 2001US-0329414P.
PR   17-OCT-2001; 2001US-0330142P.
PR   22-OCT-2001; 2001US-0341058P.
PR   24-OCT-2001; 2001US-0339266P.
PR   24-OCT-2001; 2001US-0343629P.
PR   29-OCT-2001; 2001US-0349575P.
PR   01-NOV-2001; 2001US-0346357P.
PR   12-APR-2002; 2002US-0371972P.
PR   12-APR-2002; 2002US-0371980P.
PR   17-APR-2002; 2002US-0373261P.
PR   19-APR-2002; 2002US-0373805P.
PR   23-APR-2002; 2002US-0374738P.
PR   16-MAY-2002; 2002US-0381101P.
PR   17-MAY-2002; 2002US-0381635P.
PR   29-MAY-2002; 2002US-0383830P.
PR   01-OCT-2002; 2002US-00262839.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Alsobrook JP,  Anderson DW,  Boldog FL,  Burgess CE,  Catterton E;
PI   Edinger SR,  Ellerman K,  Gerlach VL,  Gorman L,  Guo X,  Ji W;
PI   Kekuda R,  Leach MD,  Li L,  Miller CE,  Patturajan M,  Rieger DK;
PI   Rothenberg ME,  Shimkets RA,  Smithson G,  Spytek KA,  Taupier RJ;
PI   Vernet CAM,  Voss EZ,  Zerhusen BD,  Zhong M;
XX
DR   WPI; 2003-381625/36.
XX
PT   NOVX polypeptides and nucleic acids useful for diagnosing, preventing or
PT   treating NOVX-associated disorders, e.g. diabetes, obesity, cancer or
PT   dyslipidemia, and in chromosome mapping, tissue typing or
PT   pharmacogenomics.
XX
PS   Example C; Page 392; 487pp; English.
XX
CC   The present invention relates to novel human NOV proteins and their
CC   coding sequences (ACC72075-ACC72181 and ABR58363-ABR58469). The NOV
CC   proteins are useful in manufacturing a medicament for treating a syndrome
CC   associated with a human disease. The NOV proteins and coding sequences
CC   may be used to diagnose, treat or prevent metabolic disorders such as
CC   diabetes or obesity, infections, cachexia, cancer, neurodegenerative
CC   disorders such as Alzheimer's disease or Parkinson's disease, immune
CC   disorders, haematopoietic disorders and various dyslipidaemias. The
CC   present sequence is a PCR primer, used in an example from the invention
XX
SQ   Sequence 22 BP; 3 A; 7 C; 3 G; 9 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 22;  DB 8;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.5;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        767 ACGAAGAAGATCAAGCTGAGTG 788
              ||||||||||||||||||||||
Db         22 ACGAAGAAGATCAAGCTGAGTG 1


RESULT 10
ADM94850
ID   ADM94850 standard; DNA; 22 BP.
XX
AC   ADM94850;
XX
DT   01-JUL-2004  (first entry)
XX
DE   Testicular seminoma associated gene forward RT-PCR primer SEQ ID NO:11.
XX
KW   testicular seminoma; diagnosis; testicular seminoma-associated gene;
KW   cytostatic; vaccine; human; reverse transcription; PCR; primer; ss.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
PN   WO2004031410-A2.
XX
PD   15-APR-2004.
XX
PF   12-SEP-2003; 2003WO-JP011711.
XX
PR   30-SEP-2002; 2002US-0414677P.
XX
PA   (ONCO-) ONCOTHERAPY SCI INC.
PA   (UYTY ) UNIV TOKYO.
XX
PI   Nakamura Y,  Katagiri T;
XX
DR   WPI; 2004-330203/30.
XX
PT   Diagnosing, treating or preventing testicular seminoma (TS) or a
PT   predisposition to developing TS in a subject, comprises determining a
PT   level of expression of a TS-associated gene.
XX
PS   Example 2; SEQ ID NO 11; 120pp; English.
XX
CC   The present invention describes a method for diagnosing testicular
CC   seminoma (TS) or a predisposition to developing TS in a subject. The
CC   method comprises determining a level of expression of a TS-associated
CC   gene in a patient derived biological sample, where an increase or
CC   decrease of the level compared to a normal control level of the gene
CC   indicates that the subject suffers from or is at risk of developing TS.
CC   Also described: (1) a TS reference expression profile, comprising a
CC   pattern of gene expression of two or more genes, i.e. TS 1-939; (2) a
CC   method of screening for a compound for treating or preventing TS; (3) a
CC   kit comprising a detection reagent which binds to two or more nucleic
```

```
CC   acid sequences, i.e. TS 1-939; (4) an array comprising a nucleic acid
CC   which binds to two or more nucleic acid sequences, i.e. TS 1-939; (5) a
CC   method of treating or preventing TS in a subject; (6) a composition, for
CC   treating or preventing TS, comprising a pharmaceutical amount of: (a) an
CC   antisense polynucleotide or small interfering RNA against a
CC   polynucleotide, i.e. TS 1-346; (b) an antibody or its fragment thereof
CC   that binds to a protein encoded by any one gene, i.e. TS 1-346; and (c)
CC   the compound selected by the method of (2) as an active ingredient and a
CC   pharmaceutical carrier; and (7) a small interfering RNA, where the sense
CC   strand comprises the nucleotide sequence of gtaggacacttcttattcg or
CC   gtgatgcattgttccttca (SEQ ID NOS:85 or 86). The composition has cytostatic
CC   activity, and can be used in vaccines. The method is useful diagnosing TS
CC   or a predisposition to developing TS in a subject. The antisense
CC   composition, siRNA composition, antibody, compound, the polynucleotide
CC   and the encoded polypeptide are useful in treating or preventing TS. The
CC   present sequence represents a reverse transcription (RT) PCR primer which
CC   is used in the identification of TS-associated genes in an example from
CC   the present invention.
XX
SQ   Sequence 22 BP; 6 A; 5 C; 5 G; 6 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 22;  DB 12;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.5;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2123 CACAACATGCAATGTGTCTGTG 2144
              ||||||||||||||||||||||
Db          1 CACAACATGCAATGTGTCTGTG 22


RESULT 11
ADM94851/c
ID   ADM94851 standard; DNA; 22 BP.
XX
AC   ADM94851;
XX
DT   01-JUL-2004  (first entry)
XX
DE   Testicular seminoma associated gene reverse RT-PCR primer SEQ ID NO:12.
XX
KW   testicular seminoma; diagnosis; testicular seminoma-associated gene;
KW   cytostatic; vaccine; human; reverse transcription; PCR; primer; ss.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
PN   WO2004031410-A2.
XX
PD   15-APR-2004.
XX
PF   12-SEP-2003; 2003WO-JP011711.
XX
PR   30-SEP-2002; 2002US-0414677P.
XX
PA   (ONCO-) ONCOTHERAPY SCI INC.
PA   (UYTY ) UNIV TOKYO.
XX
PI   Nakamura Y,  Katagiri T;
XX
DR   WPI; 2004-330203/30.
XX
PT   Diagnosing, treating or preventing testicular seminoma (TS) or a
PT   predisposition to developing TS in a subject, comprises determining a
PT   level of expression of a TS-associated gene.
XX
PS   Example 2; SEQ ID NO 12; 120pp; English.
XX
CC   The present invention describes a method for diagnosing testicular
CC   seminoma (TS) or a predisposition to developing TS in a subject. The
CC   method comprises determining a level of expression of a TS-associated
CC   gene in a patient derived biological sample, where an increase or
CC   decrease of the level compared to a normal control level of the gene
CC   indicates that the subject suffers from or is at risk of developing TS.
CC   Also described: (1) a TS reference expression profile, comprising a
CC   pattern of gene expression of two or more genes, i.e. TS 1-939; (2) a
CC   method of screening for a compound for treating or preventing TS; (3) a
CC   kit comprising a detection reagent which binds to two or more nucleic
CC   acid sequences, i.e. TS 1-939; (4) an array comprising a nucleic acid
CC   which binds to two or more nucleic acid sequences, i.e. TS 1-939; (5) a
CC   method of treating or preventing TS in a subject; (6) a composition, for
CC   treating or preventing TS, comprising a pharmaceutical amount of: (a) an
CC   antisense polynucleotide or small interfering RNA against a
CC   polynucleotide, i.e. TS 1-346; (b) an antibody or its fragment thereof
CC   that binds to a protein encoded by any one gene, i.e. TS 1-346; and (c)
CC   the compound selected by the method of (2) as an active ingredient and a
CC   pharmaceutical carrier; and (7) a small interfering RNA, where the sense
CC   strand comprises the nucleotide sequence of gtaggacacttcttattcg or
CC   gtgatgcattgttccttca (SEQ ID NOS:85 or 86). The composition has cytostatic
CC   activity, and can be used in vaccines. The method is useful diagnosing TS
CC   or a predisposition to developing TS in a subject. The antisense
CC   composition, siRNA composition, antibody, compound, the polynucleotide
CC   and the encoded polypeptide are useful in treating or preventing TS. The
CC   present sequence represents a reverse transcription (RT) PCR primer which
CC   is used in the identification of TS-associated genes in an example from
CC   the present invention.
XX
SQ   Sequence 22 BP; 6 A; 7 C; 4 G; 5 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 22;  DB 12;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.5;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2278 GCTGCTTGCAAGTCTTAGAGGA 2299
              ||||||||||||||||||||||
Db         22 GCTGCTTGCAAGTCTTAGAGGA 1


RESULT 12
AAZ50446
ID   AAZ50446 standard; DNA; 20 BP.
XX
AC   AAZ50446;
XX
DT   18-MAY-2000  (first entry)
XX
DE   Human PB39 specific 3' RACE primer.
XX
KW   PB39; human; prostate cancer; PC; chromosome 11p11.1-11.2; cancer;
KW   prostate epithelium; splicing mechanism; early diagnosis; progression;
KW   precancerous cell; metastatic potential; non-neoplastic prostate disease;
KW   expressed sequence tag; EST; PCR primer; ss.
XX
OS   Homo sapiens.
XX
PN   WO200005376-A1.
XX
PD   03-FEB-2000.
XX
PF   23-JUL-1999;   99WO-US016831.
XX
PR   24-JUL-1998;   98US-0094137P.
XX
PA   (USSH ) US DEPT HEALTH & HUMAN SERVICES.
XX
PI   Chuaqui RF,  Cole KA,  Liotta LA;
XX
DR   WPI; 2000-182700/16.
XX
PT   Novel gene which is dysregulated in prostate cancer useful for diagnosing
PT   cancer.
XX
PS   Claim 5; Page 18; 51pp; English.
XX
CC   The present sequence is the human PB39 3' specific RACE primer, from EST
CC   clone AAR00504. It is used to determine the complete nucleotide sequence
CC   of PB39 cDNA, isolated from human pancreas cDNA library using RACE. The
```

```
CC   PB39 gene that is dysregulated in prostate cancer has homology to the EST
CC   AAR00504. PB39 gene is located on chromosome 11p11.1-11.2. Abnormally
CC   high concentrations of PB39 are found in prostate tissue derived from
CC   prostate cancer (PC) epithelium. PB39 sequence is useful for detection of
CC   precancerous or cancer cells in the prostate. PB39 is useful for early
CC   diagnosis of the progression of prostate cancer, especially in aggressive
CC   prostate carcinoma. It can also distinguish PC from other non-neoplastic
CC   prostate disease. The diagnostic method is selective and specific for
CC   various types of PC and also facilitates identifying prostate cancer of
CC   differing aggressiveness and metastatic potential
XX
SQ   Sequence 20 BP; 6 A; 6 C; 4 G; 4 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 20;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 74;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1747 GACCGCATAGACTTCTCAGA 1766
             ||||||||||||||||||||
Db          1 GACCGCATAGACTTCTCAGA 20


RESULT 13
ACC72284
ID   ACC72284 standard; DNA; 20 BP.
XX
AC   ACC72284;
XX
DT   07-JUL-2003  (first entry)
XX
DE   Forward Ag5280 PCR primer.
XX
KW   Human; NOV; antidiabetic; anorectic; antibacterial; virucide;
KW   immunomodulator; cytostatic; nootropic; neuroprotective;
KW   antiparkinsonian; antilipaemic; gene therapy; metabolic disorder;
KW   diabetes; obesity; infection; cachexia; cancer; PCR; primer;
KW   neurodegenerative disorder; Alzheimer's disease; Parkinson's disease;
KW   immune disorder; haematopoietic disorder; dyslipidaemia; ss.
XX
OS   Homo sapiens.
XX
PN   WO2003029423-A2.
XX
PD   10-APR-2003.
XX
PF   02-OCT-2002; 2002WO-US031358.
XX
PR   02-OCT-2001; 2001US-0326483P.
PR   05-OCT-2001; 2001US-0327342P.
PR   09-OCT-2001; 2001US-0327917P.
PR   09-OCT-2001; 2001US-0328029P.
PR   09-OCT-2001; 2001US-0328044P.
PR   09-OCT-2001; 2001US-0328056P.
PR   12-OCT-2001; 2001US-0328849P.
PR   15-OCT-2001; 2001US-0329414P.
PR   17-OCT-2001; 2001US-0330142P.
PR   22-OCT-2001; 2001US-0341058P.
PR   24-OCT-2001; 2001US-0339266P.
PR   24-OCT-2001; 2001US-0343629P.
PR   29-OCT-2001; 2001US-0349575P.
PR   01-NOV-2001; 2001US-0346357P.
PR   12-APR-2002; 2002US-0371972P.
PR   12-APR-2002; 2002US-0371980P.
PR   17-APR-2002; 2002US-0373261P.
PR   19-APR-2002; 2002US-0373805P.
PR   23-APR-2002; 2002US-0374738P.
PR   16-MAY-2002; 2002US-0381101P.
PR   17-MAY-2002; 2002US-0381635P.
PR   29-MAY-2002; 2002US-0383830P.
PR   01-OCT-2002; 2002US-00262839.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Alsobrook JP,  Anderson DW,  Boldog FL,  Burgess CE,  Catterton E;
PI   Edinger SR,  Ellerman K,  Gerlach VL,  Gorman L,  Guo X,  Ji W;
PI   Kekuda R,  Leach MD,  Li L,  Miller CE,  Patturajan M,  Rieger DK;
PI   Rothenberg ME,  Shimkets RA,  Smithson G,  Spytek KA,  Taupier RJ;
PI   Vernet CAM,  Voss EZ,  Zerhusen BD,  Zhong M;
XX
DR   WPI; 2003-381625/36.
XX
PT   NOVX polypeptides and nucleic acids useful for diagnosing, preventing or
PT   treating NOVX-associated disorders, e.g. diabetes, obesity, cancer or
PT   dyslipidemia, and in chromosome mapping, tissue typing or
PT   pharmacogenomics.
XX
PS   Example C; Page 392; 487pp; English.
XX
CC   The present invention relates to novel human NOV proteins and their
CC   coding sequences (ACC72075-ACC72181 and ABR58363-ABR58469). The NOV
CC   proteins are useful in manufacturing a medicament for treating a syndrome
CC   associated with a human disease. The NOV proteins and coding sequences
CC   may be used to diagnose, treat or prevent metabolic disorders such as
CC   diabetes or obesity, infections, cachexia, cancer, neurodegenerative
CC   disorders such as Alzheimer's disease or Parkinson's disease, immune
CC   disorders, haematopoietic disorders and various dyslipidaemias. The
CC   present sequence is a PCR primer, used in an example from the invention
XX
SQ   Sequence 20 BP; 2 A; 6 C; 4 G; 8 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 20;  DB 8;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 74;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        177 GCTCCCTGTTGATCATTCTG 196
              ||||||||||||||||||||
Db          1 GCTCCCTGTTGATCATTCTG 20


RESULT 14
ADM97687/c
ID   ADM97687 standard; DNA; 20 BP.
XX
AC   ADM97687;
XX
DT   01-JUL-2004  (first entry)
XX
DE   Human prostate cancer associated gene POV1 PCR primer #2.
XX
KW   ss; primer; gene therapy; vaccine; cytostatic; prostate cancer;
KW   intraepithelial neoplasia; prostate cancer-associated gene;
KW   PRC-associated gene; PRC; PCR.
XX
OS   Homo sapiens.
XX
PN   WO2004031414-A2.
XX
PD   15-APR-2004.
XX
PF   22-SEP-2003; 2003WO-JP012073.
XX
PR   30-SEP-2002; 2002US-0414873P.
XX
PA   (ONCO-) ONCOTHERAPY SCI INC.
PA   (UYTY ) UNIV TOKYO.
XX
PI   Nakamura Y,  Katagiri T,  Nakagawa H,  Nakatsuru S;
XX
DR   WPI; 2004-330207/30.
XX
PT   Diagnosing prostate cancer or prostatic intraepithelial neoplasia
PT   comprises determining a level of expression of a PRC-associated gene in a
PT   patient derived biological sample.
XX
PS   Example 2; Page 66; 92pp; English.
XX
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```
CC   The present invention relates to a method of diagnosing prostate cancer
CC   (PRC) and /or prostatic intraepithelial neoplasia (PIN) or a
CC   predisposition to developing either or both of PRC and PIN in a subject,
CC   comprising determining a level of expression of a PRC-associated gene in
CC   a patient derived biological sample. The method is useful in diagnosing
CC   either or both of PRC and PIN or a predisposition to developing either or
CC   both of PRC and PIN in a subject. The methods, compounds and compositions
CC   are useful in treating or preventing either or both of PRC and PIN. The
CC   polypeptides are useful as vaccines against either or both PCR and PIN.
CC   The present sequence is a PCR primer used in the exemplification of the
CC   invention.
XX
SQ   Sequence 20 BP; 1 A; 7 C; 0 G; 12 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 20;  DB 12;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 74;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2294 AGAGGAAATAAAAAGGGAAG 2313
              ||||||||||||||||||||
Db         20 AGAGGAAATAAAAAGGGAAG 1


RESULT 15
ADM97686
ID   ADM97686 standard; DNA; 20 BP.
XX
AC   ADM97686;
XX
DT   01-JUL-2004  (first entry)
XX
DE   Human prostate cancer associated gene POV1 PCR primer #1.
XX
KW   ss; primer; gene therapy; vaccine; cytostatic; prostate cancer;
KW   intraepithelial neoplasia; prostate cancer-associated gene;
KW   PRC-associated gene; PRC; PCR.
XX
OS   Homo sapiens.
XX
PN   WO2004031414-A2.
XX
PD   15-APR-2004.
XX
PF   22-SEP-2003; 2003WO-JP012073.
XX
PR   30-SEP-2002; 2002US-0414873P.
XX
PA   (ONCO-) ONCOTHERAPY SCI INC.
PA   (UYTY ) UNIV TOKYO.
XX
PI   Nakamura Y,  Katagiri T,  Nakagawa H,  Nakatsuru S;
XX
DR   WPI; 2004-330207/30.
XX
PT   Diagnosing prostate cancer or prostatic intraepithelial neoplasia
PT   comprises determining a level of expression of a PRC-associated gene in a
PT   patient derived biological sample.
XX
PS   Example 2; Page 66; 92pp; English.
XX
CC   The present invention relates to a method of diagnosing prostate cancer
CC   (PRC) and /or prostatic intraepithelial neoplasia (PIN) or a
CC   predisposition to developing either or both of PRC and PIN in a subject,
CC   comprising determining a level of expression of a PRC-associated gene in
CC   a patient derived biological sample. The method is useful in diagnosing
CC   either or both of PRC and PIN or a predisposition to developing either or
CC   both of PRC and PIN in a subject. The methods, compounds and compositions
CC   are useful in treating or preventing either or both of PRC and PIN. The
CC   polypeptides are useful as vaccines against either or both PCR and PIN.
CC   The present sequence is a PCR primer used in the exemplification of the
CC   invention.
XX
SQ   Sequence 20 BP; 1 A; 7 C; 3 G; 9 T; 0 U; 0 Other;

  Query Match             0.9%;  Score 20;  DB 12;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 74;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2027 GGTGCCTCTTATCTCCTTCT 2046
              ||||||||||||||||||||
Db          1 GGTGCCTCTTATCTCCTTCT 20


RESULT 16
ADK13463
ID   ADK13463 standard; DNA; 17 BP.
XX
AC   ADK13463;
XX
DT   20-MAY-2004  (first entry)
XX
DE   Human glioma endothelial marker (GEM) long tag oligonucleotide.
XX
KW   glioma; brain tissue; neoplastic; glioma endothelial marker; GEM;
KW   anticancer; antiglioma; immune response; cytostatic;
KW   multi-drug sensitive glioma; human; long tag; ss.
XX
OS   Homo sapiens.
OS   Synthetic.
XX
PN   WO2004016758-A2.
XX
PD   26-FEB-2004.
XX
PF   15-AUG-2003; 2003WO-US025614.
XX
PR   15-AUG-2002; 2002US-0403390P.
PR   01-APR-2003; 2003US-0458978P.
XX
PA   (GENZ ) GENZYME CORP.
PA   (UYJO ) UNIV JOHNS HOPKINS.
XX
PI   Madden SI,  Wang CJ,  Cook BP,  Lattera J,  Walter K;
XX
DR   WPI; 2004-247973/23.
XX
PT   Diagnosing glioma by detecting expression product of any one of 255
PT   genes, glioma endothelial markers, in brain tissue sample suspected of
PT   being neoplastic, and comparing the expression with expression in normal
PT   brain tissue sample.
XX
PS   Example 10; Page 71; 114pp; English.
XX
CC   The present invention describes a method (M1) for aiding in the diagnosis
CC   of glioma. (M1) involves detecting an expression product of at least one
CC   gene (I) in a first brain tissue sample (T) suspected of being
CC   neoplastic, where (I) is chosen from any one of 255 genes (glioma
CC   endothelial markers (GEMs)) as given in specification, and comparing the
CC   expression of (I) in (T) with expression of (I) in a second normal brain
CC   tissue sample (R), where increased expression of (I) in (T) relative to
CC   (R), identifies (T) as likely to be neoplastic. Also described: (1)
CC   treating (M2) glioma involves contacting cells of the glioma with an
CC   antibody that specifically binds to a extracellular epitope; (2)
CC   identifying (M3) a test compound as potential anticancer or antiglioma
CC   drug involves contacting a test compound with the cell which expresses
CC   (I), monitoring an expression product of the at least one gene and
CC   identifying test compound as a potential anticancer drug if it decreases
CC   the expression of at least one gene; (3) identifying (M4) a test compound
CC   as potential anticancer or antiglioma drug involves contacting a test
CC   compound with the cell which expresses mRNA of at least one gene
CC   identified by a tag as described above, monitoring mRNA of the gene, and
CC   identifying the test compound as a potential anticancer drug if it
CC   decreases the expression of at least one gene; and (4) inducing (M5) an
CC   immune response to glioma involves administering to a mammal, a protein
CC   or (I). (I) have cytostatic activities, and can be used to trigger immune
CC   destruction of glioma cells, and as immune response inducers. (M1) is
```

CC useful for aiding in diagnosing glioma. (M2) is useful for treating multi
CC -drug sensitive glioma in a human. (M5) is useful for inducing an immune
CC response to a glioma in a mammal having glioma or in a mammal who has had
CC a glioma surgically removed. The present sequence represents a human GEM
CC long tag oligonucleotide, which is used in the exemplification of the
CC present invention.
XX
SQ Sequence 17 BP; 2 A; 2 C; 12 G; 1 T; 0 U; 0 Other;

Query Match 0.7%; Score 17; DB 12; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.3e+03;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGGGCTGGAGGGGGGCA 19
||||||||||||||||||
Db 1 GGGGCTGGAGGGGGGCA 17

RESULT 17
AAC92680/c
ID AAC92680 standard; DNA; 20 BP.
XX
AC AAC92680;
XX
DT 27-MAR-2001 (first entry)
XX
DE Human Nck-2 phosphorothioate antisense oligonucleotide, SEQ ID NO:41.
XX
KW Human Nck-2; adapter protein; Nck adapter protein; hNck-beta; Grb4;
KW signal transduction; SH2 domain; SH3 domain; src homology domain;
KW integrin signalling; receptor tyrosine kinase signalling;
KW growth factor receptor signalling; PINCH; v-Abl; Ras; Sos;
KW transcriptional activation; cancer; tumour; leukaemia; breast cancer;
KW expression inhibition; phosphorothioate; antisense oligonucleotide; ss.
XX
OS Homo sapiens.
XX
PN US6165728-A.
XX
PD 26-DEC-2000.
XX
PF 19-NOV-1999; 99US-00444053.
XX
PR 19-NOV-1999; 99US-00444053.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Ward DT, Cowsert LM;
XX
DR WPI; 2001-090480/10.
XX
PT Novel antisense compound which inhibits expression of human nck-2 useful
PT for treating disease or condition associated with expression of nck-2,
PT and as research reagents, kits and diagnostics.
XX
PS Claim 1; Col 41-42; 38pp; English.
XX
CC Sequences AAC92649-C92728 represent antisense oligonucleotides targetted
CC to the human Nck-2 gene, which inhibit its expression. The antisense
CC oligonucleotides were designed to target different regions of the human
CC Nck-2 mRNA, and were analysed for their effect on Nck-2 mRNA levels by
CC quantitative real-time PCR. Nck-2 (also known as Nck adapter protein,
CC hNck-beta and Grb4), contains both SH2 and SH3 src homology domains and
CC functions as an adapter protein in integrin-mediated and receptor
CC tyrosine kinase-mediated signal transduction, particularly in growth
CC factor receptor signalling. Moreover, Nck-2 participates in pathways that
CC connect growth factor receptor signalling and integrin signalling via its
CC interaction with PINCH, a LIM domain-containing adapter protein which is
CC involved in integrin, growth factor and Wnt signalling pathways. Nck-2
CC also interacts with EGF (epidermal growth factor) and PDGF (platelet-
CC derived growth factor) receptors, inhibiting EGF- and PDGF-stimulated DNA
CC synthesis in an SH2-dependent manner. Nck-2 is also able to interact with
CC v-Abl, Ras and Sos proteins to induce transcriptional activation, and is
CC therefore implicated in the development of cancer, particularly leukaemia
CC and breast cancer. The oligonucleotides of the invention are useful for
CC diagnosis, prevention and treatment of conditions associated with Nck-2
CC expression, such as leukaemia and breast cancer
XX
SQ Sequence 20 BP; 2 A; 6 C; 8 G; 4 T; 0 U; 0 Other;

Query Match 0.7%; Score 17; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.3e+03;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1694 GAGTACGCCGCCAATGG 1710
||||||||||||||||||
Db 18 GAGTACGCCGCCAATGG 2

RESULT 18
AEA03789
ID AEA03789 standard; RNA; 23 BP.
XX
AC AEA03789;
XX
DT 28-JUL-2005 (first entry)
XX
DE Hairless gene siRNA SEQ ID NO 684.
XX
KW short interfering RNA; siRNA; Hairless gene; RNA interference; alopecia;
KW Endocrine-Gen.; dermatological disease; ss; gene silencing.
XX
OS Synthetic.
XX
PN WO2005045036-A2.
XX
PD 19-MAY-2005.
XX
PF 18-AUG-2004; 2004WO-US027042.
XX
PR 23-OCT-2003; 2003US-00693059.
PR 24-NOV-2003; 2003US-00720448.
PR 03-DEC-2003; 2003US-00727780.
PR 14-JAN-2004; 2004US-00757803.
PR 10-FEB-2004; 2004US-0543480P.
PR 13-FEB-2004; 2004US-00780447.
PR 15-APR-2004; 2004US-00825485.
PR 16-APR-2004; 2004US-00826966.
PR 23-APR-2004; 2004US-00830569.
PR 26-APR-2004; 2004US-00832522.
PR 30-APR-2004; 2004US-00013456.
PR 24-MAY-2004; 2004US-00016390.
XX
PA (SIRN-) SIRNA THERAPEUTICS INC.
XX
PI Mcswiggen J;
XX
DR WPI; 2005-356235/36.
XX
PT New short interfering nucleic acid molecule that directs cleavage of RNA
PT encoded by the Hairless gene, useful for treating or preventing alopecia
PT or atrichia.
XX
PS Claim 33; SEQ ID NO 684; 212pp; English.
XX
CC The invention relates to a chemically synthesized double stranded short
CC interfering nucleic acid (siNA) molecule that directs cleavage of RNA
CC encoded by the Hairless gene via RNA interference (RNAi). The siNA
CC molecule is useful for treating or preventing alopecia or atrichia. The
CC present sequence represents a Hairless gene siRNA.
XX
SQ Sequence 23 BP; 1 A; 10 C; 2 G; 0 T; 10 U; 0 Other;

Query Match 0.7%; Score 17; DB 14; Length 23;
Best Local Similarity 58.8%; Pred. No. 2.3e+03;
Matches 10; Conservative 7; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1653 TGCCTTCCTACCTCTTC 1669
              :|||::||:|||:|::|
Db          1 UGCCUUCCUACCUCUUC 17
```

RESULT 19
ABA00742
ID ABA00742 standard; DNA; 24 BP.
XX
AC ABA00742;
XX
DT 18-MAR-2003 (first entry)
XX
DE IP-10 sense primer.
XX
KW Primer; PCR; RT-PCR; dendritic cell; dendrite; interferon; IFN;
KW granulocyte/macrophage-colony stimulating factor; GM-CSF; cytokine;
KW interleukin-4; IL-4; mononuclear cell; lymphoma; Epstein-Barr virus;
KW peripheral blood mononuclear cell; PBMC; vaccine; viral infection; HIV;
KW HBV; HCV; ss.
XX
OS Homo sapiens.
XX
PN WO200288328-A2.
XX
PD 07-NOV-2002.
XX
PF 29-APR-2002; 2002WO-EP004709.
XX
PR 27-APR-2001; 2001US-00845042.
XX
PA (SUPE-) INST SUPERIORE DI SANITA.
XX
PI Belardelli F, Santini SM, Parlato S, Di Pucchio T, Logozzi M;
PI Lapenta C, Ferrantini M, Santodonato L, D'agostino G;
XX
DR WPI; 2003-120470/11.
XX
PT Preparation of dendritic cells, useful in a vaccine or a pharmaceutical
PT composition for the prevention and/or treatment of infectious or
PT neoplastic disease, comprises culturing mononuclear cells in a medium
PT with type I interferon.
XX
PS Example 4; Page 41; 91pp; English.
XX
CC The sequences given in ABA00738-45 are primers which were used in RT-PCR
CC to determine whether dendritic cells treated with interferon (IFN)/
CC granulocyte/macrophage-colony stimulating factor (GM-CSF) exhibited any
CC specific pattern of cytokine expression as compared to cells cultured in
CC the presence of interleukin-4 (IL-4)/GM-CSF. The dendritic cells used
CC were the cells of the invention which were prepared by culturing
CC mononuclear cells in a culture medium containing type I IFN, where the
CC mononuclear cells are total peripheral blood mononuclear cells (PBMCs),
CC adherent PBMCs and highly purified CD14+ monocytes isolated from PBMCs.
CC The dendritic cells are useful for the preparation of a vaccine or a
CC pharmaceutical composition for the prevention or the treatment of a
CC pathology associated with the presence of an antigen in the human body.
CC The pathology is an infectious or neoplastic disease. The infectious
CC disease is a viral infection, preferably HIV, HBV or HCV infection. The
CC neoplastic disease is lymphoma, and virally induced, preferably by an
CC Epstein-Barr virus
XX
SQ Sequence 24 BP; 3 A; 5 C; 4 G; 12 T; 0 U; 0 Other;

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  Query Match             0.7%;  Score 17;  DB 8;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        694 CTGCCTTATCTTTCTGA 710
              |||||||||||||||||
Db          8 CTGCCTTATCTTTCTGA 24
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RESULT 20
ACI94502/c
ID ACI94502 standard; DNA; 25 BP.
XX
AC ACI94502;
XX
DT 14-OCT-2003 (first entry)
XX
DE Human microarray DNA oligonucleotide SEQ ID NO 94493.
XX
KW EST; ss; probe; expressed sequence tag; microarray; gene expression;
KW genetic variation; biallelic marker; polymorphism; human;
KW cross-species comparison.
XX
OS Homo sapiens.
XX
PN US2003104410-A1.
XX
PD 05-JUN-2003.
XX
PF 15-MAR-2002; 2002US-00098263.
XX
PR 16-MAR-2001; 2001US-0276759P.
XX
PA (AFFY-) AFFYMETRIX INC.
XX
PI Mittmann MP;
XX
DR WPI; 2003-567953/53.
XX
PT New array of nucleic acid probes, useful for in situ hybridization, in
PT Southern, Northern or dot-blot hybridization to identify or detect the
PT sequence or specific mutations of any gene.
XX
PS Claim 1; SEQ ID NO 94493; 9pp; English.
XX
CC The invention discloses a microarray comprising a plurality of nucleic
CC acid probes including one of 2,018,500 fully defined sequences, or its
CC perfect match, perfect mismatch, antisense match or antisense mismatch.
CC Also disclosed is a method of gene expression analysis. The array is used
CC in monitoring gene expression levels by hybridisation to a DNA library,
CC in analysis of genetic variation or in hybridisation of tag-labelled
CC compounds. The nucleic acid probes are specifically designed for analysis
CC of at least one target sequence. The method of analysis comprises
CC hybridising at least one or more nucleic acids to at least two or more
CC nucleic acid probes and detecting the hybridisation. The nucleic acid
CC probes are attached to a solid support. The analysis comprises monitoring
CC gene expression levels, identifying biallelic markers or polymorphisms,
CC or family members of a gene and a cross-species comparison. Each of the
CC nucleic acids further comprises a tag sequence. The array of nucleic acid
CC probes is useful in in situ hybridisation, in Southern, Northern or dot-
CC blot hybridisation to identify or detect the sequence or specific
CC mutations of any gene, in mapping the 5' termini of mRNA molecules by
CC primer extensions or in screening cDNA or genomic libraries or subclones
CC for additional subclones containing segments of DNA that have been
CC isolated and previously sequenced. The sequence presented is one of the
CC nucleic acid probes incorporated in the microarray. Note: The sequence
CC data for this patent can also be obtained in electronic format directly
CC from USPTO at seqdata.uspto.goc/sequence.html
XX
SQ Sequence 25 BP; 5 A; 8 C; 6 G; 6 T; 0 U; 0 Other;

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  Query Match             0.7%;  Score 17;  DB 9;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        801 ACCACAAGGTGACAGGT 817
              |||||||||||||||||
Db         20 ACCACAAGGTGACAGGT 4
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Search completed: January 13, 2006, 08:27:52

Job time : 1427 secs

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: January 13, 2006, 07:19:50 ; Search time 416 Seconds
(without alignments)
9938.963 Million cell updates/sec

Title: US-09-743-825-1
Perfect score: 2326
Sequence: 1 ccggggctggaggggggcaa.....agggaagtgagaaaaaaaaa 2326

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1303057 seqs, 888780828 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1026780

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 1000 summaries

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8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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c	3	16	0.7	22	3	US-09-990-444-440	Sequence 440, App
c	4	16	0.7	22	3	US-09-997-333-440	Sequence 440, App
c	5	16	0.7	22	3	US-09-992-598-440	Sequence 440, App
	6	16	0.7	24	2	US-08-545-562A-29	Sequence 29, Appl
	7	16	0.7	24	2	US-08-545-562A-30	Sequence 30, Appl
	8	16	0.7	25	3	US-09-396-196G-27376	Sequence 27376, A
	9	16	0.7	25	3	US-09-396-196G-125365	Sequence 125365,
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197	13	0.6	17	3	US-09-476-387-687	Sequence 687, App
c 198	13	0.6	17	3	US-09-866-108A-2000	Sequence 2000, Ap
c 199	13	0.6	17	3	US-09-866-108A-2001	Sequence 2001, Ap
c 200	13	0.6	17	3	US-09-866-108A-2002	Sequence 2002, Ap
c 201	13	0.6	17	3	US-09-866-108A-2003	Sequence 2003, Ap
c 202	13	0.6	17	3	US-09-866-108A-2004	Sequence 2004, Ap
c 203	13	0.6	17	3	US-09-866-108A-6339	Sequence 6339, Ap
c 204	13	0.6	17	3	US-09-866-108A-6340	Sequence 6340, Ap
c 205	13	0.6	17	3	US-09-866-108A-6341	Sequence 6341, Ap
c 206	13	0.6	17	3	US-09-866-108A-6342	Sequence 6342, Ap
c 207	13	0.6	17	3	US-09-866-108A-6343	Sequence 6343, Ap
208	13	0.6	17	3	US-09-866-108A-10506	Sequence 10506, A
209	13	0.6	17	3	US-09-866-108A-10507	Sequence 10507, A
210	13	0.6	17	3	US-09-866-108A-10508	Sequence 10508, A
211	13	0.6	17	3	US-09-866-108A-10509	Sequence 10509, A
212	13	0.6	17	3	US-09-866-108A-10510	Sequence 10510, A
213	13	0.6	17	3	US-10-294-203-41	Sequence 41, Appl
c 214	13	0.6	17	3	US-10-294-203-42	Sequence 42, Appl
c 215	13	0.6	17	3	US-09-685-664B-1675	Sequence 1675, Ap
c 216	13	0.6	17	3	US-09-685-664B-1676	Sequence 1676, Ap
c 217	13	0.6	17	3	US-09-685-664B-1677	Sequence 1677, Ap
218	13	0.6	17	3	US-09-685-664B-3651	Sequence 3651, Ap
219	13	0.6	17	3	US-09-685-664B-3652	Sequence 3652, Ap
220	13	0.6	17	3	US-10-294-203-41	Sequence 41, Appl
c 221	13	0.6	17	3	US-10-294-203-42	Sequence 42, Appl
222	13	0.6	17	3	US-10-024-818-41	Sequence 41, Appl
c 223	13	0.6	17	3	US-10-024-818-42	Sequence 42, Appl
224	13	0.6	18	2	US-07-874-334-14	Sequence 14, Appl
c 225	13	0.6	18	2	US-08-066-325-51	Sequence 51, Appl
226	13	0.6	18	2	US-08-311-486C-1089	Sequence 1089, Ap
227	13	0.6	18	2	US-08-585-684B-2687	Sequence 2687, Ap
228	13	0.6	18	2	US-08-532-795-34	Sequence 34, Appl
229	13	0.6	18	3	US-08-834-224-6	Sequence 6, Appli
230	13	0.6	18	3	US-08-475-742-9	Sequence 9, Appli
c 231	13	0.6	18	3	US-09-213-719-39	Sequence 39, Appl
232	13	0.6	18	3	US-09-038-073-2687	Sequence 2687, Ap
c 233	13	0.6	18	3	US-09-387-341-195	Sequence 195, App
234	13	0.6	18	3	US-08-261-293-9	Sequence 9, Appli
c 235	13	0.6	18	3	US-09-920-760-63	Sequence 63, Appl
236	13	0.6	18	3	US-09-422-978-4112	Sequence 4112, Ap
237	13	0.6	18	3	US-09-422-978-5841	Sequence 5841, Ap
c 238	13	0.6	18	3	US-08-780-562-24	Sequence 24, Appl
239	13	0.6	18	3	US-08-780-562-25	Sequence 25, Appl
c 240	13	0.6	18	3	US-09-533-494A-29	Sequence 29, Appl
c 241	13	0.6	19	3	US-09-086-663A-29	Sequence 29, Appl
c 242	13	0.6	19	3	US-09-422-978-8227	Sequence 8227, Ap
243	13	0.6	19	3	US-10-121-911A-4	Sequence 4, Appli

c 244	13	0.6	19	3	US-09-935-038A-21	Sequence 21, Appl
245	13	0.6	19	3	US-09-696-791-1957	Sequence 1957, Ap
246	13	0.6	20	2	US-07-922-723A-23	Sequence 23, Appl
247	13	0.6	20	2	US-07-799-828C-23	Sequence 23, Appl
248	13	0.6	20	2	US-07-874-334-13	Sequence 13, Appl
c 249	13	0.6	20	2	US-07-872-678A-17	Sequence 17, Appl
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251	13	0.6	20	2	US-08-171-718-95	Sequence 95, Appl
252	13	0.6	20	2	US-08-436-074-27	Sequence 27, Appl
253	13	0.6	20	2	US-07-952-277A-23	Sequence 23, Appl
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255	13	0.6	20	3	US-08-478-087-95	Sequence 95, Appl
c 256	13	0.6	20	3	US-09-358-384-39	Sequence 39, Appl
257	13	0.6	20	3	US-09-490-692-82	Sequence 82, Appl
258	13	0.6	20	3	US-09-489-868A-28	Sequence 28, Appl
c 259	13	0.6	20	3	US-09-326-186B-178	Sequence 178, App
260	13	0.6	20	3	US-09-232-346-54	Sequence 54, Appl
261	13	0.6	20	3	US-09-426-998-2	Sequence 2, Appli
c 262	13	0.6	20	3	US-09-517-605-11	Sequence 11, Appl
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264	13	0.6	20	3	US-09-844-634-73	Sequence 73, Appl
265	13	0.6	20	3	US-09-142-593-15	Sequence 15, Appl
266	13	0.6	20	3	US-08-754-477A-71	Sequence 71, Appl
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c 268	13	0.6	20	3	US-09-422-978-11209	Sequence 11209, A
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273	13	0.6	20	3	US-10-215-448-27	Sequence 27, Appl
274	13	0.6	20	3	US-09-865-879-23	Sequence 23, Appl
c 275	13	0.6	20	3	US-10-232-858-26	Sequence 26, Appl
276	13	0.6	20	3	US-10-040-430-54	Sequence 54, Appl
277	13	0.6	20	3	US-09-881-012A-60	Sequence 60, Appl
278	13	0.6	20	3	US-09-954-556-98	Sequence 98, Appl
c 279	13	0.6	20	3	US-09-338-063A-26	Sequence 26, Appl
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281	13	0.6	20	6	PCT-US96-06583-27	Sequence 27, Appl
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283	13	0.6	21	2	US-08-401-512-45	Sequence 45, Appl
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c 285	13	0.6	21	2	US-08-211-430-29	Sequence 29, Appl
286	13	0.6	21	2	US-08-667-809B-7	Sequence 7, Appli
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c 292	13	0.6	21	3	US-10-014-012-165	Sequence 165, App
293	13	0.6	21	3	US-10-002-623-246	Sequence 246, App
294	13	0.6	22	2	US-08-531-556-89	Sequence 89, Appl
295	13	0.6	22	2	US-08-472-416-89	Sequence 89, Appl
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c 297	13	0.6	22	2	US-08-734-564-2	Sequence 2, Appli
298	13	0.6	22	2	US-08-415-343B-1	Sequence 1, Appli
c 299	13	0.6	22	3	US-09-200-419-2	Sequence 2, Appli
c 300	13	0.6	22	3	US-09-302-682-2	Sequence 2, Appli
c 301	13	0.6	22	3	US-08-337-120A-27	Sequence 27, Appl
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c 303	13	0.6	22	3	US-09-091-952A-54	Sequence 54, Appl
304	13	0.6	22	3	US-09-091-952A-134	Sequence 134, App
c 305	13	0.6	22	3	US-09-893-055-2	Sequence 2, Appli
c 306	13	0.6	22	3	US-09-322-352A-1	Sequence 1, Appli
c 307	13	0.6	22	3	US-09-469-200B-3	Sequence 3, Appli
c 308	13	0.6	22	3	US-10-172-527A-3	Sequence 3, Appli
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c 310	13	0.6	24	2	US-08-145-704-16	Sequence 16, Appl
311	13	0.6	24	2	US-08-360-096-13	Sequence 13, Appl
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c 313	13	0.6	24	2	US-08-423-383-68	Sequence 68, Appl
c 314	13	0.6	24	2	US-08-620-467A-35	Sequence 35, Appl
c 315	13	0.6	24	2	US-08-348-572-36	Sequence 36, Appl
c 316	13	0.6	24	2	US-08-437-353A-68	Sequence 68, Appl
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c 318	13	0.6	24	2	US-08-488-209B-23	Sequence 23, Appl
c 319	13	0.6	24	2	US-08-408-011-23	Sequence 23, Appl
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c 321	13	0.6	24	3	US-08-559-205-39	Sequence 39, Appl
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c 325	13	0.6	24	3	US-09-017-974-16	Sequence 16, Appl
c 326	13	0.6	24	3	US-08-682-255A-16	Sequence 16, Appl
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330	13	0.6	24	3	US-09-385-222A-10	Sequence 10, Appl
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c 333	13	0.6	24	3	US-08-442-001C-35	Sequence 35, Appl
c 334	13	0.6	24	3	US-09-529-239D-23	Sequence 23, Appl
c 335	13	0.6	24	3	US-09-520-268A-5	Sequence 5, Appli
c 336	13	0.6	24	3	US-09-711-295-4	Sequence 4, Appli
337	13	0.6	24	6	PCT-US91-02942-31	Sequence 31, Appl
c 338	13	0.6	24	6	PCT-US93-05085-27	Sequence 27, Appl
339	13	0.6	24	6	PCT-US95-16766-22	Sequence 22, Appl
c 340	13	0.6	24	6	PCT-US96-11786-16	Sequence 16, Appl
c 341	13	0.6	24	9	5336598-22	Patent No. 5336598
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343	13	0.6	25	2	US-08-118-441-5	Sequence 5, Appli
c 344	13	0.6	25	2	US-08-110-158-7	Sequence 7, Appli
345	13	0.6	25	2	US-09-002-177-16	Sequence 16, Appl
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c 347	13	0.6	25	3	US-08-942-001-7	Sequence 7, Appli
348	13	0.6	25	3	US-08-338-579A-5	Sequence 5, Appli
c 349	13	0.6	25	3	US-08-660-645A-12	Sequence 12, Appl
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	395	13	0.6	25	3	US-09-866-108A-15403	Sequence 15403, A
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	417	13	0.6	25	3	US-09-396-196G-9468	Sequence 9468, Ap
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	447	13	0.6	25	3	US-09-396-196G-29514	Sequence 29514, A
	448	13	0.6	25	3	US-09-396-196G-29526	Sequence 29526, A
	449	13	0.6	25	3	US-09-396-196G-29527	Sequence 29527, A
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	453	13	0.6	25	3	US-09-396-196G-30486	Sequence 30486, A
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	457	13	0.6	25	3	US-09-396-196G-34655	Sequence 34655, A
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	459	13	0.6	25	3	US-09-396-196G-35956	Sequence 35956, A
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c	462	13	0.6	25	3	US-09-396-196G-37141	Sequence 37141, A
c	463	13	0.6	25	3	US-09-396-196G-37142	Sequence 37142, A
c	464	13	0.6	25	3	US-09-396-196G-42289	Sequence 42289, A
c	465	13	0.6	25	3	US-09-396-196G-42290	Sequence 42290, A
c	466	13	0.6	25	3	US-09-396-196G-42376	Sequence 42376, A
c	467	13	0.6	25	3	US-09-396-196G-42603	Sequence 42603, A
c	468	13	0.6	25	3	US-09-396-196G-42604	Sequence 42604, A
c	469	13	0.6	25	3	US-09-396-196G-42605	Sequence 42605, A
c	470	13	0.6	25	3	US-09-396-196G-42639	Sequence 42639, A
	471	13	0.6	25	3	US-09-396-196G-43223	Sequence 43223, A
	472	13	0.6	25	3	US-09-396-196G-43224	Sequence 43224, A
c	473	13	0.6	25	3	US-09-396-196G-44311	Sequence 44311, A
c	474	13	0.6	25	3	US-09-396-196G-44327	Sequence 44327, A
c	475	13	0.6	25	3	US-09-396-196G-44328	Sequence 44328, A
	476	13	0.6	25	3	US-09-396-196G-45221	Sequence 45221, A
	477	13	0.6	25	3	US-09-396-196G-45982	Sequence 45982, A
	478	13	0.6	25	3	US-09-396-196G-47152	Sequence 47152, A
	479	13	0.6	25	3	US-09-396-196G-47362	Sequence 47362, A
	480	13	0.6	25	3	US-09-396-196G-47363	Sequence 47363, A
	481	13	0.6	25	3	US-09-396-196G-48901	Sequence 48901, A
	482	13	0.6	25	3	US-09-396-196G-50911	Sequence 50911, A
	483	13	0.6	25	3	US-09-396-196G-51735	Sequence 51735, A
c	484	13	0.6	25	3	US-09-396-196G-53201	Sequence 53201, A
c	485	13	0.6	25	3	US-09-396-196G-53266	Sequence 53266, A
c	486	13	0.6	25	3	US-09-396-196G-53267	Sequence 53267, A
c	487	13	0.6	25	3	US-09-396-196G-53268	Sequence 53268, A
c	488	13	0.6	25	3	US-09-396-196G-53269	Sequence 53269, A
c	489	13	0.6	25	3	US-09-396-196G-53270	Sequence 53270, A
c	490	13	0.6	25	3	US-09-396-196G-53271	Sequence 53271, A
c	491	13	0.6	25	3	US-09-396-196G-53272	Sequence 53272, A
c	492	13	0.6	25	3	US-09-396-196G-53273	Sequence 53273, A
c	493	13	0.6	25	3	US-09-396-196G-53283	Sequence 53283, A
	494	13	0.6	25	3	US-09-396-196G-55240	Sequence 55240, A
	495	13	0.6	25	3	US-09-396-196G-55241	Sequence 55241, A
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	497	13	0.6	25	3	US-09-396-196G-58759	Sequence 58759, A
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	508	13	0.6	25	3	US-09-396-196G-65765	Sequence 65765, A
	509	13	0.6	25	3	US-09-396-196G-67278	Sequence 67278, A
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	514	13	0.6	25	3	US-09-396-196G-74307	Sequence 74307, A
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	517	13	0.6	25	3	US-09-396-196G-78565	Sequence 78565, A
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c	521	13	0.6	25	3	US-09-396-196G-79687	Sequence 79687, A
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	524	13	0.6	25	3	US-09-396-196G-79939	Sequence 79939, A
	525	13	0.6	25	3	US-09-396-196G-79956	Sequence 79956, A
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	528	13	0.6	25	3	US-09-396-196G-81974	Sequence 81974, A
	529	13	0.6	25	3	US-09-396-196G-81975	Sequence 81975, A
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	533	13	0.6	25	3	US-09-396-196G-83487	Sequence 83487, A
	534	13	0.6	25	3	US-09-396-196G-83488	Sequence 83488, A
	535	13	0.6	25	3	US-09-396-196G-83489	Sequence 83489, A

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c 542	13	0.6	25	3	US-09-396-196G-86814	Sequence 86814, A
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549	13	0.6	25	3	US-09-396-196G-91516	Sequence 91516, A
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c 567	13	0.6	25	3	US-09-396-196G-100297	Sequence 100297,
c 568	13	0.6	25	3	US-09-396-196G-100298	Sequence 100298,
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c 597	13	0.6	26	2	US-08-912-976-12	Sequence 12, Appl
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599	13	0.6	26	3	US-09-756-854-11	Sequence 11, Appl
600	13	0.6	26	3	US-09-999-833A-146	Sequence 146, App
601	13	0.6	26	3	US-10-041-574-11	Sequence 11, Appl
602	13	0.6	26	3	US-09-095-094-11	Sequence 11, Appl
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c 605	13	0.6	27	2	US-08-560-558E-26	Sequence 26, Appl
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608	13	0.6	27	3	US-09-311-042-5	Sequence 5, Appli
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610	13	0.6	27	3	US-08-795-447A-37	Sequence 37, Appl
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612	13	0.6	27	3	US-08-795-446B-37	Sequence 37, Appl
613	13	0.6	27	3	US-08-706-945D-60	Sequence 60, Appl
614	13	0.6	27	3	US-09-217-268B-25	Sequence 25, Appl
c 615	13	0.6	27	3	US-09-217-268B-26	Sequence 26, Appl
c 616	13	0.6	27	3	US-09-403-532E-18	Sequence 18, Appl
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c 620	13	0.6	28	2	US-08-090-523-14	Sequence 14, Appl
c 621	13	0.6	28	2	US-08-398-627-14	Sequence 14, Appl
c 622	13	0.6	28	2	US-08-406-858-14	Sequence 14, Appl
623	13	0.6	28	2	US-08-232-081B-24	Sequence 24, Appl
c 624	13	0.6	28	3	US-09-023-082A-113	Sequence 113, App
c 625	13	0.6	28	3	US-09-203-649-9	Sequence 9, Appli
626	13	0.6	28	3	US-08-671-757A-5	Sequence 5, Appli
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c 628	13	0.6	28	3	US-08-399-023-14	Sequence 14, Appl
c 629	13	0.6	28	3	US-09-248-998-113	Sequence 113, App
c 630	13	0.6	28	3	US-09-968-255-9	Sequence 9, Appli
c 631	13	0.6	28	3	US-09-610-651-113	Sequence 113, App
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633	13	0.6	28	3	US-10-238-977A-5	Sequence 5, Appli
c 634	13	0.6	28	3	US-09-345-373-113	Sequence 113, App
c 635	13	0.6	28	3	US-10-075-446-113	Sequence 113, App
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c 637	13	0.6	28	6	PCT-US94-05275-14	Sequence 14, Appl
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640	13	0.6	29	2	US-08-487-720A-71	Sequence 71, Appl
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644	13	0.6	29	3	US-09-304-232-229	Sequence 229, App
c 645	13	0.6	29	3	US-09-304-232-590	Sequence 590, App
c 646	13	0.6	29	3	US-09-611-152-6	Sequence 6, Appli
c 647	13	0.6	29	3	US-09-595-684B-73	Sequence 73, Appl
c 648	13	0.6	29	3	US-09-631-531-6	Sequence 6, Appli
c 649	13	0.6	29	3	US-09-786-025A-7	Sequence 7, Appli
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652	13	0.6	30	2	US-08-261-206A-34	Sequence 34, Appl
653	13	0.6	30	2	US-08-261-206A-38	Sequence 38, Appl
654	13	0.6	30	2	US-08-261-206A-42	Sequence 42, Appl
655	13	0.6	30	2	US-08-384-708A-148	Sequence 148, App
656	13	0.6	30	2	US-08-543-630-1	Sequence 1, Appli
657	13	0.6	30	2	US-08-560-558E-23	Sequence 23, Appl
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659	13	0.6	30	2	US-08-821-782-32	Sequence 32, Appl
c 660	13	0.6	30	3	US-08-840-062-15	Sequence 15, Appl
661	13	0.6	30	3	US-09-010-641-43	Sequence 43, Appl
662	13	0.6	30	3	US-08-687-421-148	Sequence 148, App
663	13	0.6	30	3	US-09-356-281-43	Sequence 43, Appl
664	13	0.6	30	3	US-09-292-435A-32	Sequence 32, Appl
665	13	0.6	30	3	US-09-217-268B-23	Sequence 23, Appl
c 666	13	0.6	30	3	US-09-217-268B-24	Sequence 24, Appl
667	13	0.6	30	3	US-08-442-423-148	Sequence 148, App
c 668	13	0.6	30	3	US-09-716-964B-116	Sequence 116, App
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670	12	0.5	13	2	US-08-093-383-9	Sequence 9, Appli
671	12	0.5	13	3	US-09-474-432B-107	Sequence 107, App
672	12	0.5	13	3	US-09-476-387-107	Sequence 107, App
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674	12	0.5	14	9	5223407-6	Patent No. 5223407
c 675	12	0.5	15	2	US-08-311-760A-71	Sequence 71, Appl
c 676	12	0.5	15	2	US-08-311-760A-231	Sequence 231, App
677	12	0.5	15	2	US-08-363-240A-81	Sequence 81, Appl
678	12	0.5	15	2	US-08-363-240A-609	Sequence 609, App
679	12	0.5	15	2	US-08-623-891-86	Sequence 86, Appl
680	12	0.5	15	2	US-08-311-486C-254	Sequence 254, App
681	12	0.5	15	2	US-08-311-486C-673	Sequence 673, App

682	12	0.5	15	2	US-08-311-486C-674	Sequence 674, App
683	12	0.5	15	2	US-08-744-829-1	Sequence 1, Appli
684	12	0.5	15	2	US-08-292-620A-70	Sequence 70, Appl
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686	12	0.5	15	2	US-08-585-684B-1223	Sequence 1223, Ap
c 687	12	0.5	15	2	US-08-774-310-71	Sequence 71, Appl
c 688	12	0.5	15	2	US-08-774-310-231	Sequence 231, App
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c 690	12	0.5	15	3	US-08-832-021-58	Sequence 58, Appl
691	12	0.5	15	3	US-08-913-833-63	Sequence 63, Appl
692	12	0.5	15	3	US-09-071-845-70	Sequence 70, Appl
693	12	0.5	15	3	US-09-177-359-21	Sequence 21, Appl
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695	12	0.5	15	3	US-09-038-073-1223	Sequence 1223, Ap
696	12	0.5	15	3	US-09-580-794C-63	Sequence 63, Appl
697	12	0.5	15	3	US-09-340-861-86	Sequence 86, Appl
698	12	0.5	15	3	US-09-634-262-86	Sequence 86, Appl
c 699	12	0.5	15	3	US-09-531-000-54	Sequence 54, Appl
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701	12	0.5	15	3	US-09-544-934B-74	Sequence 74, Appl
702	12	0.5	15	3	US-10-055-732-10	Sequence 10, Appl
703	12	0.5	16	2	US-08-127-954-37	Sequence 37, Appl
704	12	0.5	16	2	US-08-644-034A-12	Sequence 12, Appl
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706	12	0.5	16	3	US-08-913-833-64	Sequence 64, Appl
707	12	0.5	16	3	US-09-580-794C-64	Sequence 64, Appl
c 708	12	0.5	16	3	US-09-044-781A-9	Sequence 9, Appli
709	12	0.5	16	3	US-09-509-565-34	Sequence 34, Appl
710	12	0.5	16	3	US-09-943-983C-64	Sequence 64, Appl
c 711	12	0.5	17	2	US-08-242-664-2	Sequence 2, Appli
712	12	0.5	17	2	US-08-373-124A-492	Sequence 492, App
c 713	12	0.5	17	2	US-08-373-124A-842	Sequence 842, App
c 714	12	0.5	17	2	US-08-373-124A-1543	Sequence 1543, Ap
c 715	12	0.5	17	2	US-08-373-124A-2547	Sequence 2547, Ap
c 716	12	0.5	17	2	US-08-484-138-2	Sequence 2, Appli
c 717	12	0.5	17	2	US-08-758-306-1145	Sequence 1145, Ap
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c 720	12	0.5	17	2	US-08-435-628-1543	Sequence 1543, Ap
c 721	12	0.5	17	2	US-08-435-628-2547	Sequence 2547, Ap
c 722	12	0.5	17	2	US-07-735-068-4	Sequence 4, Appli
723	12	0.5	17	3	US-08-894-731-5	Sequence 5, Appli
724	12	0.5	17	3	US-08-998-099-91	Sequence 91, Appl
725	12	0.5	17	3	US-08-998-099-92	Sequence 92, Appl
c 726	12	0.5	17	3	US-08-584-040-3911	Sequence 3911, Ap
727	12	0.5	17	3	US-08-584-040-3980	Sequence 3980, Ap
c 728	12	0.5	17	3	US-08-679-645-231	Sequence 231, App
c 729	12	0.5	17	3	US-09-302-681-101	Sequence 101, App
730	12	0.5	17	3	US-09-474-432B-370	Sequence 370, App
731	12	0.5	17	3	US-09-474-432B-376	Sequence 376, App
732	12	0.5	17	3	US-09-474-432B-836	Sequence 836, App
c 733	12	0.5	17	3	US-09-371-772B-1678	Sequence 1678, Ap
734	12	0.5	17	3	US-09-371-772B-1747	Sequence 1747, Ap
c 735	12	0.5	17	3	US-09-371-772B-4867	Sequence 4867, Ap
736	12	0.5	17	3	US-09-371-772B-5137	Sequence 5137, Ap
737	12	0.5	17	3	US-09-371-772B-5138	Sequence 5138, Ap
c 738	12	0.5	17	3	US-09-371-772B-6295	Sequence 6295, Ap
739	12	0.5	17	3	US-09-476-387-369	Sequence 369, App
740	12	0.5	17	3	US-09-476-387-375	Sequence 375, App
741	12	0.5	17	3	US-09-476-387-835	Sequence 835, App
c 742	12	0.5	17	3	US-09-866-108A-1546	Sequence 1546, Ap
c 743	12	0.5	17	3	US-09-866-108A-1547	Sequence 1547, Ap
c 744	12	0.5	17	3	US-09-866-108A-1548	Sequence 1548, Ap
c 745	12	0.5	17	3	US-09-866-108A-1549	Sequence 1549, Ap
c 746	12	0.5	17	3	US-09-866-108A-1550	Sequence 1550, Ap
c 747	12	0.5	17	3	US-09-866-108A-1551	Sequence 1551, Ap
c 748	12	0.5	17	3	US-09-866-108A-1999	Sequence 1999, Ap
c 749	12	0.5	17	3	US-09-866-108A-2005	Sequence 2005, Ap
c 750	12	0.5	17	3	US-09-866-108A-6338	Sequence 6338, Ap
c 751	12	0.5	17	3	US-09-866-108A-6344	Sequence 6344, Ap
752	12	0.5	17	3	US-09-866-108A-10505	Sequence 10505, A
753	12	0.5	17	3	US-09-866-108A-10511	Sequence 10511, A
754	12	0.5	17	3	US-09-866-108A-10670	Sequence 10670, A
755	12	0.5	17	3	US-09-866-108A-10671	Sequence 10671, A
756	12	0.5	17	3	US-09-866-108A-10672	Sequence 10672, A
757	12	0.5	17	3	US-09-866-108A-10673	Sequence 10673, A
758	12	0.5	17	3	US-09-866-108A-10674	Sequence 10674, A
759	12	0.5	17	3	US-09-866-108A-10675	Sequence 10675, A
760	12	0.5	17	3	US-09-404-912-513	Sequence 513, App
761	12	0.5	17	3	US-09-404-912-605	Sequence 605, App
762	12	0.5	17	3	US-09-404-912-641	Sequence 641, App
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764	12	0.5	17	3	US-09-685-664B-1747	Sequence 1747, Ap
765	12	0.5	17	3	US-08-844-175B-20	Sequence 20, Appl
766	12	0.5	17	3	US-09-818-875-907	Sequence 907, App
c 767	12	0.5	17	3	US-09-818-875-908	Sequence 908, App
768	12	0.5	17	3	US-09-818-875-1391	Sequence 1391, Ap
c 769	12	0.5	17	3	US-09-818-875-1392	Sequence 1392, Ap
c 770	12	0.5	17	3	US-09-818-875-4194	Sequence 4194, Ap
771	12	0.5	17	3	US-09-818-875-4195	Sequence 4195, Ap
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774	12	0.5	18	2	US-08-343-027A-10	Sequence 10, Appl
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776	12	0.5	18	2	US-08-328-592-4	Sequence 4, Appli
c 777	12	0.5	18	2	US-08-457-648-65	Sequence 65, Appl
c 778	12	0.5	18	2	US-08-361-479-38	Sequence 38, Appl
c 779	12	0.5	18	2	US-08-183-214-7	Sequence 7, Appli
c 780	12	0.5	18	2	US-08-473-576-38	Sequence 38, Appl
781	12	0.5	18	2	US-08-311-486C-1156	Sequence 1156, Ap
782	12	0.5	18	2	US-08-744-829-5	Sequence 5, Appli
c 783	12	0.5	18	2	US-08-578-516-2	Sequence 2, Appli
c 784	12	0.5	18	2	US-08-505-377-14	Sequence 14, Appl
c 785	12	0.5	18	2	US-08-843-718-38	Sequence 38, Appl
786	12	0.5	18	2	US-09-256-496-61	Sequence 61, Appl
787	12	0.5	18	3	US-09-156-253-24	Sequence 24, Appl
788	12	0.5	18	3	US-09-205-921-45	Sequence 45, Appl
789	12	0.5	18	3	US-09-255-911-31	Sequence 31, Appl
c 790	12	0.5	18	3	US-08-875-540-5	Sequence 5, Appli
791	12	0.5	18	3	US-08-875-540-6	Sequence 6, Appli
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793	12	0.5	18	3	US-09-156-807-44	Sequence 44, Appl
794	12	0.5	18	3	US-09-156-807-45	Sequence 45, Appl
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c 797	12	0.5	18	3	US-09-358-972-220	Sequence 220, App
c 798	12	0.5	18	3	US-09-406-064-24	Sequence 24, Appl
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c 800	12	0.5	18	3	US-08-811-463-19	Sequence 19, Appl
c 801	12	0.5	18	3	US-08-811-463-24	Sequence 24, Appl
802	12	0.5	18	3	US-08-811-463-25	Sequence 25, Appl
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805	12	0.5	18	3	US-08-891-292A-78	Sequence 78, Appl
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809	12	0.5	18	3	US-09-171-456-6	Sequence 6, Appli
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c 814	12	0.5	18	3	US-09-383-316-77	Sequence 77, Appl
815	12	0.5	18	3	US-09-387-341-146	Sequence 146, App
816	12	0.5	18	3	US-09-387-341-147	Sequence 147, App
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c	836	12	0.5	18	3	US-09-790-417-220	Sequence 220, App
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c	849	12	0.5	19	2	US-08-480-810-6	Sequence 6, Appli
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	852	12	0.5	19	2	US-08-468-819-87	Sequence 87, Appl
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c	858	12	0.5	19	3	US-09-120-130-6	Sequence 6, Appli
	859	12	0.5	19	3	US-07-982-759F-123	Sequence 123, App
c	860	12	0.5	19	3	US-09-115-252-6	Sequence 6, Appli
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c	865	12	0.5	19	3	US-08-974-549A-377	Sequence 377, App
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c	872	12	0.5	19	3	US-09-438-016-26	Sequence 26, Appl
c	873	12	0.5	19	3	US-09-430-323-87	Sequence 87, Appl
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	882	12	0.5	19	3	US-09-422-978-8272	Sequence 8272, Ap
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	891	12	0.5	19	3	US-09-696-791-2539	Sequence 2539, Ap
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	898	12	0.5	19	3	US-10-037-417-219	Sequence 219, App
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	903	12	0.5	19	6	PCT-US95-08605-11	Sequence 11, Appl
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	910	12	0.5	20	2	US-08-442-806-44	Sequence 44, Appl
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	919	12	0.5	20	2	US-08-767-979-32	Sequence 32, Appl
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	928	12	0.5	20	2	US-08-904-901-122	Sequence 122, App
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c	932	12	0.5	20	3	US-09-344-519-40	Sequence 40, Appl
	933	12	0.5	20	3	US-08-738-381-7	Sequence 7, Appli
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	939	12	0.5	20	3	US-09-249-730-122	Sequence 122, App
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	943	12	0.5	20	3	US-09-433-694-35	Sequence 35, Appl
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	945	12	0.5	20	3	US-09-295-026-22	Sequence 22, Appl
	946	12	0.5	20	3	US-09-295-026-32	Sequence 32, Appl
	947	12	0.5	20	3	US-09-280-805-81	Sequence 81, Appl
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	955	12	0.5	20	3	US-09-313-932-495	Sequence 495, App
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	958	12	0.5	20	3	US-09-657-481A-20	Sequence 20, Appl
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	961	12	0.5	20	3	US-08-943-731-527	Sequence 527, App
	962	12	0.5	20	3	US-08-943-731-597	Sequence 597, App
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977	12	0.5	20	3	US-09-792-594-15	Sequence 15, Appl
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c 983	12	0.5	20	3	US-08-520-373D-14	Sequence 14, Appl
984	12	0.5	20	3	US-09-375-318-62	Sequence 62, Appl
c 985	12	0.5	20	3	US-09-690-364-41	Sequence 41, Appl
c 986	12	0.5	20	3	US-09-659-845A-59	Sequence 59, Appl
c 987	12	0.5	20	3	US-09-844-521-56	Sequence 56, Appl
c 988	12	0.5	20	3	US-09-658-688A-19	Sequence 19, Appl
c 989	12	0.5	20	3	US-09-657-346A-90	Sequence 90, Appl
c 990	12	0.5	20	3	US-09-668-313A-79	Sequence 79, Appl
c 991	12	0.5	20	3	US-09-668-313A-80	Sequence 80, Appl
c 992	12	0.5	20	3	US-09-390-134B-15	Sequence 15, Appl
c 993	12	0.5	20	3	US-09-598-747-13	Sequence 13, Appl
994	12	0.5	20	3	US-09-422-978-5435	Sequence 5435, Ap
c 995	12	0.5	20	3	US-09-422-978-5519	Sequence 5519, Ap
c 996	12	0.5	20	3	US-09-422-978-5888	Sequence 5888, Ap
c 997	12	0.5	20	3	US-09-422-978-6454	Sequence 6454, Ap
c 998	12	0.5	20	3	US-09-422-978-6916	Sequence 6916, Ap
c 999	12	0.5	20	3	US-09-422-978-9447	Sequence 9447, Ap
1000	12	0.5	20	3	US-09-422-978-10620	Sequence 10620, A

ALIGNMENTS

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RESULT 1
US-09-444-053-41/c
; Sequence 41, Application US/09444053A
; Patent No. 6165728
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF NCK-2 EXPRESSION
;  FILE REFERENCE: RTS-0122
;  CURRENT APPLICATION NUMBER: US/09/444,053A
;  CURRENT FILING DATE: 1999-11-19
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-444-053-41

  Query Match             0.7%;  Score 17;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.9e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         18 GAGTACGCCGCCAATGG 2


RESULT 2
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; Sequence 440, Application US/09991181
; Patent No. 6913919
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C53
;  CURRENT APPLICATION NUMBER: US/09/991,181
;  CURRENT FILING DATE:  2001-11-16
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-09

Query Match 0.7%; Score 16; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         18 TTCTACATGGCTGCTG 3
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RESULT 3
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; Sequence 440, Application US/09990444
; Patent No. 6930170
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.

; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C19
; CURRENT APPLICATION NUMBER: US/09/990,444
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR FILING DATE: 1998-07-09

Query Match 0.7%; Score 16; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         18 TTCTACATGGCTGCTG 3
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RESULT 4
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; Sequence 440, Application US/09997333
; Patent No. 6953836
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C27
; CURRENT APPLICATION NUMBER: US/09/997,333
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 0.7%; Score 16; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1034 TTCTACATGGCTGCTG 1049
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Db         18 TTCTACATGGCTGCTG 3
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RESULT 5
US-09-992-598-440/c
; Sequence 440, Application US/09992598
; Patent No. 6956108
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C20
; CURRENT APPLICATION NUMBER: US/09/992,598

; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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;  PRIOR APPLICATION NUMBER: 60/091978
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;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match             0.7%;  Score 16;  DB 3;  Length 22;
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  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1034 TTCTACATGGCTGCTG 1049
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Db         18 TTCTACATGGCTGCTG 3


RESULT 6
US-08-545-562A-29
; Sequence 29, Application US/08545562A
; Patent No. 5840529
;  GENERAL INFORMATION:
;    APPLICANT:  SEIDAH, Nabil G.
;    APPLICANT:  DAY, Robert
;    APPLICANT:  CHRETIEN, Michel
;    TITLE OF INVENTION:  MAMMALIAN PRO-HORMONE CONVERTASE
;    NUMBER OF SEQUENCES:  66
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  QUARLES & BRADY
;      STREET:  411 East Wisconsin Avenue
;      CITY:  Milwaukee
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53202-4497
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/545,562A
;      FILING DATE:  19-OCT-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/510,347
;      FILING DATE:  02-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/517,015
;      FILING DATE:  18-AUG-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BAKER, Jean C.
;      REGISTRATION NUMBER:  35,433
;      REFERENCE/DOCKET NUMBER:  200702.90025
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (414) 277-5000
;      TELEFAX:  (414) 271-3552
;  INFORMATION FOR SEQ ID NO:  29:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide"
US-08-545-562A-29

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Qy       646 TGCCGGTGTGGCCTTC 661
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Db         6 TGCCGGTGTGGCCTTC 21


RESULT 7
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; Sequence 30, Application US/08545562A
; Patent No. 5840529
;  GENERAL INFORMATION:
;    APPLICANT:  SEIDAH, Nabil G.
;    APPLICANT:  DAY, Robert
;    APPLICANT:  CHRETIEN, Michel
;    TITLE OF INVENTION:  MAMMALIAN PRO-HORMONE CONVERTASE
;    NUMBER OF SEQUENCES:  66
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  QUARLES & BRADY
;      STREET:  411 East Wisconsin Avenue
;      CITY:  Milwaukee
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53202-4497
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/545,562A
;      FILING DATE:  19-OCT-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/510,347
;      FILING DATE:  02-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/517,015
;      FILING DATE:  18-AUG-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BAKER, Jean C.
;      REGISTRATION NUMBER:  35,433
;      REFERENCE/DOCKET NUMBER:  200702.90025
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (414) 277-5000
;      TELEFAX:  (414) 271-3552
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide"
US-08-545-562A-30

  Query Match             0.7%;  Score 16;  DB 2;  Length 24;
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  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       646 TGCCGGTGTGGCCTTC 661
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Db          6 TGCCGGTGTGGCCTTC 21


RESULT 8
US-09-396-196G-27376
; Sequence 27376, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
;  APPLICANT: Michael Mittmann
;  APPLICANT:  David Mack
;  APPLICANT:  David Lockhart
;  APPLICANT:  Affymetrix, Inc.
;  TITLE OF INVENTION: Methods of Genetic Analysis
;  FILE REFERENCE: 3101.1
;  CURRENT APPLICATION NUMBER: US/09/396,196G
;  CURRENT FILING DATE:  1999-09-15
;  PRIOR APPLICATION NUMBER: 60/100,678
;  PRIOR FILING DATE: 1998-09-17
;  NUMBER OF SEQ ID NOS: 127806
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 27376
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-09-396-196G-27376

  Query Match             0.7%;  Score 16;  DB 3;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1718 CCACTGAAGGTGCTTA 1733
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Db          3 CCACTGAAGGTGCTTA 18


RESULT 9
US-09-396-196G-125365
; Sequence 125365, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
;  APPLICANT: Michael Mittmann
;  APPLICANT:  David Mack
;  APPLICANT:  David Lockhart
;  APPLICANT:  Affymetrix, Inc.
;  TITLE OF INVENTION: Methods of Genetic Analysis
;  FILE REFERENCE: 3101.1
;  CURRENT APPLICATION NUMBER: US/09/396,196G
;  CURRENT FILING DATE:  1999-09-15
;  PRIOR APPLICATION NUMBER: 60/100,678
;  PRIOR FILING DATE: 1998-09-17
;  NUMBER OF SEQ ID NOS: 127806
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 125365
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: mus musculus
US-09-396-196G-125365

  Query Match             0.7%;  Score 16;  DB 3;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        620 TTCCCAGGAATCAAGC 635
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Db          7 TTCCCAGGAATCAAGC 22


RESULT 10
US-09-396-196G-125366
; Sequence 125366, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
;  APPLICANT: Michael Mittmann
;  APPLICANT:  David Mack
;  APPLICANT:  David Lockhart
;  APPLICANT:  Affymetrix, Inc.
;  TITLE OF INVENTION: Methods of Genetic Analysis
;  FILE REFERENCE: 3101.1
;  CURRENT APPLICATION NUMBER: US/09/396,196G
;  CURRENT FILING DATE:  1999-09-15
;  PRIOR APPLICATION NUMBER: 60/100,678
;  PRIOR FILING DATE: 1998-09-17
;  NUMBER OF SEQ ID NOS: 127806
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 125366
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: mus musculus
US-09-396-196G-125366

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  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        620 TTCCCAGGAATCAAGC 635
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Db          1 TTCCCAGGAATCAAGC 16


RESULT 11
US-09-818-875-4222
; Sequence 4222, Application US/09818875
; Patent No. 6936467
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 4222
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-4222

  Query Match             0.6%;  Score 15;  DB 3;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        432 CCCTCATGGCCCTGG 446
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Db          3 CCCTCATGGCCCTGG 17


RESULT 12
US-09-818-875-4223/c
; Sequence 4223, Application US/09818875
; Patent No. 6936467
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
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;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 4223
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-4223

  Query Match             0.6%;  Score 15;  DB 3;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        432 CCCTCATGGCCCTGG 446
              |||||||||||||||
Db         15 CCCTCATGGCCCTGG 1


RESULT 13
US-08-134-557D-6
; Sequence 6, Application US/08134557D
; Patent No. 6200802
;  GENERAL INFORMATION:
;    APPLICANT:  Greene, Marianne E.
;    APPLICANT:  Blumberg, Bruce
;    TITLE OF INVENTION:  Human Peroxisome Proliferator Activated
;    TITLE OF INVENTION:  Receptor Gamma:  Compositions and Methods
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rockey, Milnamow & Katz, Ltd.
;      STREET:  2 Prudential Plaza, Suite 4700 180 N. Stetson
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/134,557D
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Katz, Martin L.
;      REGISTRATION NUMBER:  25,011
;      REFERENCE/DOCKET NUMBER:  ARCH:098
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-616-5400
;      TELEFAX:  312-616-5460
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-134-557D-6

  Query Match             0.6%;  Score 15;  DB 3;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1415 GTGACCTTTGTCCTG 1429
              |||||||||||||||
Db          3 GTGACCTTTGTCCTG 17


RESULT 14
US-09-587-549C-6
; Sequence 6, Application US/09587549C
; Patent No. 6815168
; GENERAL INFORMATION:
;  APPLICANT: Greene, Marianne E.
;  APPLICANT:  Blumberg, Bruce E.
;  TITLE OF INVENTION: Human Peroxisome Proliferator Activated Receptor Gamma:
;  TITLE OF INVENTION:  Compositions and Methods
;  FILE REFERENCE: ARD
;  CURRENT APPLICATION NUMBER: US/09/587,549C
;  CURRENT FILING DATE:  2000-06-01
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-587-549C-6

  Query Match             0.6%;  Score 15;  DB 3;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1415 GTGACCTTTGTCCTG 1429
              |||||||||||||||
Db          3 GTGACCTTTGTCCTG 17


RESULT 15
US-08-671-892A-3
; Sequence 3, Application US/08671892A
; Patent No. 5817463
;  GENERAL INFORMATION:
;    APPLICANT:  C. Mullen
;    APPLICANT:  J. C. Sustachek
;    TITLE OF INVENTION:  NUCLEIC ACID SEQUENCES FOR DETECTING
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  Macintosh
;      OPERATING SYSTEM:  System 7.0.1
;      SOFTWARE:  Microsoft Word 5.1a
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/671,892A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul D. Yasger
;      REGISTRATION NUMBER:  37,477
;      REFERENCE/DOCKET NUMBER:  5952.US.O1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/937-2341
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
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;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  synthetic DNA
US-08-671-892A-3

  Query Match             0.6%;  Score 15;  DB 2;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1343 TTCACCCTGACCAAC 1357
             ||||||||||||||||
Db          1 TTCACCCTGACCAAC 15


RESULT 16
US-08-671-892A-7/c
; Sequence 7, Application US/08671892A
; Patent No. 5817463
;  GENERAL INFORMATION:
;    APPLICANT:  C. Mullen
;    APPLICANT:  J. C. Sustachek
;    TITLE OF INVENTION:  NUCLEIC ACID SEQUENCES FOR DETECTING
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  Macintosh
;      OPERATING SYSTEM:  System 7.0.1
;      SOFTWARE:  Microsoft Word 5.1a
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/671,892A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul D. Yasger
;      REGISTRATION NUMBER:  37,477
;      REFERENCE/DOCKET NUMBER:  5952.US.O1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/937-2341
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  synthetic DNA
US-08-671-892A-7

  Query Match             0.6%;  Score 15;  DB 2;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1343 TTCACCCTGACCAAC 1357
             ||||||||||||||||
Db         20 TTCACCCTGACCAAC 6


RESULT 17
US-08-317-401E-10
; Sequence 10, Application US/08317401E
; Patent No. 5922561
;  GENERAL INFORMATION:
;    APPLICANT:  Thompson, Sheryl Ann
;    APPLICANT:  Yaver, Debbie Sue
;    TITLE OF INVENTION:  GENES ENCODING SIGNAL RECOGNITION PARTICLE OF
;    TITLE OF INVENTION:  ASPERGILLUS NIGER
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5922561o No. 5922561disk of No. 5922561th America, Inc.
;      STREET:  405 Lexington Avenue, Suite 6400
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/317,401E
;      FILING DATE:  03-October-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Harrington, James J.
;      REGISTRATION NUMBER:  38,711
;      REFERENCE/DOCKET NUMBER:  4248.000-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212 867 0123
;      TELEFAX:  212 867 0298
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-317-401E-10

  Query Match             0.6%;  Score 15;  DB 2;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        502 TGGCTTTGGTGGCAT 516
              ||||||||||||||||
Db          2 TGGCTTTGGTGGCAT 16


RESULT 18
US-09-198-452A-2063/c
; Sequence 2063, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2063
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2063

  Query Match             0.6%;  Score 15;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1303 CTACTGCAAGATCCA 1317
              ||||||||||||||||
Db         20 CTACTGCAAGATCCA 6


RESULT 19
US-09-723-368-5/c
; Sequence 5, Application US/09723368
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; Patent No. 6641818
; GENERAL INFORMATION:
;  APPLICANT: NORTHWESTERN UNIVERSITY
;  APPLICANT:  SPEAR, Patricia G.
;  APPLICANT:  WARNER, Morgyn S.
;  APPLICANT:  GERAGHTY, Robert G.
;  APPLICANT:  MARTINEZ, Wanda M.
;  APPLICANT:  MONTGOMERY, Rebecca I.
;  APPLICANT:  COHEN, Gary H.
;  APPLICANT:  EISENBERG, Roselyn J.
;  APPLICANT:  WHITBECK, Charles J.
;  APPLICANT:  KRUMMENACHER, Claude
;  APPLICANT:  UNIVERSITY OF PENNSYLVANIA
;  TITLE OF INVENTION: CELLULAR PROTEINS WHICH MEDIATE HERPESVIRUS ENTRY
;  FILE REFERENCE: 200290.0050/2U1
;  CURRENT APPLICATION NUMBER: US/09/723,368
;  CURRENT FILING DATE:  2000-11-28
;  PRIOR APPLICATION NUMBER: U.S. 60/087,862
;  PRIOR FILING DATE: 1998-06-03
;  PRIOR APPLICATION NUMBER: PCT/US99/12235
;  PRIOR FILING DATE: 1999-06-02
;  NUMBER OF SEQ ID NOS: 26
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Primer PRR2A8
US-09-723-368-5

  Query Match             0.6%;  Score 15;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2270 CTGGTGCTGCTGCTT 2284
              |||||||||||||||
Db         17 CTGGTGCTGCTGCTT 3


RESULT 20
US-08-468-819-46
; Sequence 46, Application US/08468819
; Patent No. 5871723
;  GENERAL INFORMATION:
;    APPLICANT:  Strieter, Robert M.
;    APPLICANT:  Polverini, Peter J.
;    APPLICANT:  Kunkel, Steven L.
;    TITLE OF INVENTION:  CXC Chemokines as Regulators of
;    TITLE OF INVENTION:  Angiogenesis
;    NUMBER OF SEQUENCES:  93
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  TX
;      COUNTRY:  US
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/468,819
;      FILING DATE:  Concurrently herewith
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Highlander, Steven L.
;      REGISTRATION NUMBER:  37,642
;      REFERENCE/DOCKET NUMBER:  UMIC:003/HYL
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  512/418-3000
;      TELEFAX:  512/474-7477
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "DNA"
US-08-468-819-46

  Query Match             0.6%;  Score 15;  DB 2;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 6.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        694 CTGCCTTATCTTTCT 708
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Db          7 CTGCCTTATCTTTCT 21


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(without alignments)
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Perfect score: 2326
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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 9793542 seqs, 4134689005 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	26	1.1	26	6	US-10-074-978A-525	Sequence 525, App
	2	26	1.1	26	7	US-10-262-839-315	Sequence 315, App
	3	25	1.1	25	7	US-10-262-839-318	Sequence 318, App
	4	24	1.0	25	10	US-11-036-317-266946	Sequence 266946,
	5	23	1.0	25	10	US-11-036-317-250427	Sequence 250427,
	6	22	0.9	22	6	US-10-074-978A-524	Sequence 524, App
c	7	22	0.9	22	6	US-10-074-978A-526	Sequence 526, App
	8	22	0.9	22	7	US-10-262-839-314	Sequence 314, App
c	9	22	0.9	22	7	US-10-262-839-316	Sequence 316, App
	10	22	0.9	25	10	US-11-036-317-178901	Sequence 178901,
	11	21	0.9	25	10	US-11-036-317-349781	Sequence 349781,
	12	20	0.9	20	7	US-10-262-839-317	Sequence 317, App
	13	20	0.9	25	10	US-11-036-317-388123	Sequence 388123,
	14	19	0.8	25	10	US-11-036-317-396530	Sequence 396530,
c	15	18	0.8	25	7	US-10-719-956-10440	Sequence 10440, A
c	16	18	0.8	25	8	US-10-719-900-509070	Sequence 509070,
	17	17	0.7	23	9	US-10-919-964-684	Sequence 684, App
	18	17	0.7	24	3	US-09-845-042-19	Sequence 19, Appl
c	19	17	0.7	25	5	US-10-098-263B-94493	Sequence 94493, A
c	20	17	0.7	25	7	US-10-719-956-396920	Sequence 396920,
c	21	17	0.7	25	8	US-10-719-900-555184	Sequence 555184,
c	22	17	0.7	25	9	US-10-843-527-17102	Sequence 17102, A
	23	17	0.7	25	9	US-10-843-527-219611	Sequence 219611,
	24	17	0.7	25	10	US-11-036-317-75603	Sequence 75603, A
	25	17	0.7	25	10	US-11-036-317-105374	Sequence 105374,
	26	17	0.7	25	10	US-11-036-317-148509	Sequence 148509,
	27	17	0.7	25	10	US-11-036-317-202979	Sequence 202979,
	28	17	0.7	25	10	US-11-036-317-297440	Sequence 297440,
	29	17	0.7	25	10	US-11-036-317-323858	Sequence 323858,
	30	17	0.7	25	10	US-11-036-317-461356	Sequence 461356,
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	32	17	0.7	25	10	US-11-036-317-878158	Sequence 878158,
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	34	17	0.7	25	10	US-11-036-317-948530	Sequence 948530,
c	35	17	0.7	25	10	US-11-036-317-979392	Sequence 979392,
c	36	17	0.7	25	10	US-11-060-756-168603	Sequence 168603,
c	37	17	0.7	25	10	US-11-060-756-168604	Sequence 168604,
c	38	17	0.7	25	10	US-11-060-756-168605	Sequence 168605,
c	39	16	0.7	22	3	US-09-989-722-440	Sequence 440, App
c	40	16	0.7	22	3	US-09-989-723-440	Sequence 440, App
c	41	16	0.7	22	3	US-09-989-279-440	Sequence 440, App
c	42	16	0.7	22	3	US-09-989-727-440	Sequence 440, App
c	43	16	0.7	22	3	US-09-989-731-440	Sequence 440, App
c	44	16	0.7	22	3	US-09-989-732-440	Sequence 440, App
c	45	16	0.7	22	3	US-09-991-073-440	Sequence 440, App
c	46	16	0.7	22	3	US-09-990-442-440	Sequence 440, App
c	47	16	0.7	22	3	US-09-991-163-440	Sequence 440, App
c	48	16	0.7	22	3	US-09-993-604-440	Sequence 440, App
c	49	16	0.7	22	3	US-09-990-456-440	Sequence 440, App
c	50	16	0.7	22	3	US-09-989-721-440	Sequence 440, App
c	51	16	0.7	22	3	US-09-992-598-440	Sequence 440, App
c	52	16	0.7	22	3	US-09-989-293A-440	Sequence 440, App
c	53	16	0.7	22	3	US-09-989-735-440	Sequence 440, App
c	54	16	0.7	22	3	US-09-990-444-440	Sequence 440, App
c	55	16	0.7	22	3	US-09-991-181-440	Sequence 440, App
c	56	16	0.7	22	3	US-09-989-730-440	Sequence 440, App
c	57	16	0.7	22	3	US-09-990-436-440	Sequence 440, App
c	58	16	0.7	22	3	US-09-993-687-440	Sequence 440, App
c	59	16	0.7	22	3	US-09-989-734-440	Sequence 440, App
c	60	16	0.7	22	3	US-09-997-653-440	Sequence 440, App
c	61	16	0.7	22	3	US-09-989-724-440	Sequence 440, App
c	62	16	0.7	22	3	US-09-989-728-440	Sequence 440, App
c	63	16	0.7	22	3	US-09-990-441-440	Sequence 440, App
c	64	16	0.7	22	3	US-09-993-667-440	Sequence 440, App
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c	70	16	0.7	22	3	US-09-989-726-440	Sequence 440, App
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c	72	16	0.7	22	3	US-09-990-437-440	Sequence 440, App
c	73	16	0.7	22	3	US-09-991-157-440	Sequence 440, App
c	74	16	0.7	22	3	US-09-997-514-440	Sequence 440, App
c	75	16	0.7	22	3	US-09-997-573-440	Sequence 440, App
c	76	16	0.7	22	3	US-09-991-172-440	Sequence 440, App
c	77	16	0.7	22	3	US-09-990-726-440	Sequence 440, App
c	78	16	0.7	22	3	US-09-997-559-440	Sequence 440, App
c	79	16	0.7	22	3	US-09-997-601-440	Sequence 440, App
c	80	16	0.7	22	3	US-09-990-443-440	Sequence 440, App
c	81	16	0.7	22	3	US-09-991-854-440	Sequence 440, App
c	82	16	0.7	22	3	US-09-997-628-440	Sequence 440, App
c	83	16	0.7	22	3	US-09-997-683-440	Sequence 440, App
c	84	16	0.7	22	3	US-09-989-729A-440	Sequence 440, App
c	85	16	0.7	22	3	US-09-997-349-440	Sequence 440, App
c	86	16	0.7	22	3	US-09-997-440-440	Sequence 440, App
c	87	16	0.7	22	3	US-09-990-440-440	Sequence 440, App
c	88	16	0.7	22	3	US-09-997-857-440	Sequence 440, App
c	89	16	0.7	22	3	US-09-993-469-440	Sequence 440, App
c	90	16	0.7	22	3	US-09-997-542-440	Sequence 440, App
c	91	16	0.7	22	3	US-09-993-748-440	Sequence 440, App
c	92	16	0.7	22	3	US-09-990-439-440	Sequence 440, App
c	93	16	0.7	22	3	US-09-990-427-440	Sequence 440, App
c	94	16	0.7	22	3	US-09-989-328-440	Sequence 440, App
c	95	16	0.7	22	3	US-09-993-583-440	Sequence 440, App
c	96	16	0.7	22	3	US-09-941-992-440	Sequence 440, App

c 97	16	0.7	22	3	US-09-992-521-440	Sequence 440, App
c 98	16	0.7	22	3	US-09-997-333-440	Sequence 440, App
c 99	16	0.7	22	3	US-09-997-384-440	Sequence 440, App
c 100	16	0.7	22	3	US-09-998-041-440	Sequence 440, App
c 101	16	0.7	22	3	US-09-997-585-440	Sequence 440, App
c 102	16	0.7	22	3	US-09-997-614-440	Sequence 440, App
c 103	16	0.7	22	3	US-09-989-862-440	Sequence 440, App
c 104	16	0.7	22	3	US-09-997-529-440	Sequence 440, App
c 105	16	0.7	22	3	US-09-989-725-440	Sequence 440, App
c 106	16	0.7	22	3	US-09-991-150-440	Sequence 440, App
c 107	16	0.7	22	3	US-09-997-641-440	Sequence 440, App
c 108	16	0.7	22	3	US-09-989-733-440	Sequence 440, App
c 109	16	0.7	22	3	US-09-992-643-440	Sequence 440, App
c 110	16	0.7	22	6	US-10-219-538-440	Sequence 440, App
c 111	16	0.7	22	9	US-10-950-374-440	Sequence 440, App
112	16	0.7	23	9	US-10-919-964-685	Sequence 685, App
113	16	0.7	24	7	US-10-210-281-183	Sequence 183, App
114	16	0.7	25	7	US-10-719-956-59565	Sequence 59565, A
115	16	0.7	25	7	US-10-719-956-211305	Sequence 211305,
c 116	16	0.7	25	7	US-10-719-956-233237	Sequence 233237,
117	16	0.7	25	7	US-10-719-956-301999	Sequence 301999,
c 118	16	0.7	25	7	US-10-719-956-321165	Sequence 321165,
119	16	0.7	25	7	US-10-719-956-469646	Sequence 469646,
c 120	16	0.7	25	7	US-10-719-956-500169	Sequence 500169,
c 121	16	0.7	25	7	US-10-719-956-514480	Sequence 514480,
c 122	16	0.7	25	7	US-10-719-956-676168	Sequence 676168,
c 123	16	0.7	25	7	US-10-719-956-697982	Sequence 697982,
124	16	0.7	25	8	US-10-775-169-1289	Sequence 1289, Ap
125	16	0.7	25	8	US-10-719-900-3629	Sequence 3629, Ap
c 126	16	0.7	25	8	US-10-719-900-221126	Sequence 221126,
127	16	0.7	25	8	US-10-719-900-233378	Sequence 233378,
128	16	0.7	25	8	US-10-719-900-236723	Sequence 236723,
129	16	0.7	25	8	US-10-719-900-261835	Sequence 261835,
130	16	0.7	25	8	US-10-719-900-309852	Sequence 309852,
c 131	16	0.7	25	8	US-10-719-900-423623	Sequence 423623,
132	16	0.7	25	8	US-10-719-900-579392	Sequence 579392,
c 133	16	0.7	25	8	US-10-719-900-772164	Sequence 772164,
c 134	16	0.7	25	8	US-10-719-900-807957	Sequence 807957,
135	16	0.7	25	8	US-10-719-900-814214	Sequence 814214,
c 136	16	0.7	25	8	US-10-719-900-947288	Sequence 947288,
137	16	0.7	25	9	US-10-809-189-27376	Sequence 27376, A
138	16	0.7	25	9	US-10-809-189-125365	Sequence 125365,
139	16	0.7	25	9	US-10-809-189-125366	Sequence 125366,
140	16	0.7	25	9	US-10-956-157-144845	Sequence 144845,
141	16	0.7	25	9	US-10-956-157-144846	Sequence 144846,
142	16	0.7	25	9	US-10-956-157-144847	Sequence 144847,
143	16	0.7	25	9	US-10-956-157-144848	Sequence 144848,
144	16	0.7	25	9	US-10-956-157-190954	Sequence 190954,
145	16	0.7	25	9	US-10-956-157-192233	Sequence 192233,
c 146	16	0.7	25	9	US-10-843-527-47154	Sequence 47154, A
147	16	0.7	25	9	US-10-843-527-191023	Sequence 191023,
c 148	16	0.7	25	10	US-11-036-317-16903	Sequence 16903, A
c 149	16	0.7	25	10	US-11-036-317-98829	Sequence 98829, A
150	16	0.7	25	10	US-11-036-317-202938	Sequence 202938,
151	16	0.7	25	10	US-11-036-317-260270	Sequence 260270,
152	16	0.7	25	10	US-11-036-317-339493	Sequence 339493,
153	16	0.7	25	10	US-11-036-317-362964	Sequence 362964,
154	16	0.7	25	10	US-11-036-317-427526	Sequence 427526,
c 155	16	0.7	25	10	US-11-036-317-577499	Sequence 577499,
c 156	16	0.7	25	10	US-11-036-317-628880	Sequence 628880,
c 157	16	0.7	25	10	US-11-036-317-640919	Sequence 640919,
158	16	0.7	25	10	US-11-036-317-673241	Sequence 673241,
c 159	16	0.7	25	10	US-11-036-317-686849	Sequence 686849,
160	16	0.7	25	10	US-11-036-317-702216	Sequence 702216,
161	16	0.7	25	10	US-11-036-317-732077	Sequence 732077,
162	16	0.7	25	10	US-11-036-317-762692	Sequence 762692,
c 163	16	0.7	25	10	US-11-036-317-769503	Sequence 769503,
164	16	0.7	25	10	US-11-036-317-911106	Sequence 911106,
c 165	16	0.7	26	6	US-10-114-153-180	Sequence 180, App
166	15	0.6	17	3	US-09-818-875-4222	Sequence 4222, Ap
c 167	15	0.6	17	3	US-09-818-875-4223	Sequence 4223, Ap
168	15	0.6	17	6	US-10-238-700-38	Sequence 38, Appl
169	15	0.6	17	6	US-10-209-787-4222	Sequence 4222, Ap
c 170	15	0.6	17	6	US-10-209-787-4223	Sequence 4223, Ap
171	15	0.6	17	7	US-10-261-185-4222	Sequence 4222, Ap
c 172	15	0.6	17	7	US-10-261-185-4223	Sequence 4223, Ap
173	15	0.6	17	7	US-10-681-074-4222	Sequence 4222, Ap
c 174	15	0.6	17	7	US-10-681-074-4223	Sequence 4223, Ap
175	15	0.6	17	9	US-10-724-270-38	Sequence 38, Appl
c 176	15	0.6	19	9	US-10-923-270-297	Sequence 297, App
177	15	0.6	19	9	US-10-923-270-608	Sequence 608, App
c 178	15	0.6	20	6	US-10-289-762-2063	Sequence 2063, Ap
c 179	15	0.6	20	7	US-10-461-194-76	Sequence 76, Appl
c 180	15	0.6	20	7	US-10-619-739-1619	Sequence 1619, Ap
c 181	15	0.6	20	8	US-10-296-450A-90	Sequence 90, Appl
182	15	0.6	21	5	US-10-104-755-46	Sequence 46, Appl
c 183	15	0.6	21	7	US-10-252-155-414	Sequence 414, App
c 184	15	0.6	21	7	US-10-252-155-415	Sequence 415, App
c 185	15	0.6	21	7	US-10-252-155-416	Sequence 416, App
c 186	15	0.6	21	7	US-10-252-155-417	Sequence 417, App
187	15	0.6	21	8	US-10-751-736-44650	Sequence 44650, A
188	15	0.6	21	9	US-10-919-964-1041	Sequence 1041, Ap
c 189	15	0.6	21	9	US-10-919-964-1089	Sequence 1089, Ap
190	15	0.6	22	7	US-10-451-367-17	Sequence 17, Appl
191	15	0.6	22	9	US-10-708-204-419	Sequence 419, App
c 192	15	0.6	23	3	US-09-788-070-6	Sequence 6, Appli
c 193	15	0.6	23	5	US-10-142-373-6	Sequence 6, Appli
194	15	0.6	23	7	US-10-312-308-23	Sequence 23, Appl
195	15	0.6	25	5	US-10-098-263B-70345	Sequence 70345, A
196	15	0.6	25	5	US-10-098-263B-86695	Sequence 86695, A
c 197	15	0.6	25	7	US-10-681-773-1067	Sequence 1067, Ap
c 198	15	0.6	25	7	US-10-681-773-1775	Sequence 1775, Ap
c 199	15	0.6	25	7	US-10-681-773-2211	Sequence 2211, Ap
c 200	15	0.6	25	7	US-10-681-773-3079	Sequence 3079, Ap
c 201	15	0.6	25	7	US-10-681-773-4899	Sequence 4899, Ap
c 202	15	0.6	25	7	US-10-681-773-8929	Sequence 8929, Ap
c 203	15	0.6	25	7	US-10-681-773-14064	Sequence 14064, A
c 204	15	0.6	25	7	US-10-681-773-33216	Sequence 33216, A
c 205	15	0.6	25	7	US-10-681-773-62069	Sequence 62069, A
c 206	15	0.6	25	7	US-10-681-773-87214	Sequence 87214, A
c 207	15	0.6	25	7	US-10-681-773-89248	Sequence 89248, A
c 208	15	0.6	25	7	US-10-681-773-109439	Sequence 109439,
c 209	15	0.6	25	7	US-10-681-773-112457	Sequence 112457,
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c 211	15	0.6	25	7	US-10-719-956-16012	Sequence 16012, A
c 212	15	0.6	25	7	US-10-719-956-45911	Sequence 45911, A
213	15	0.6	25	7	US-10-719-956-48712	Sequence 48712, A
c 214	15	0.6	25	7	US-10-719-956-69317	Sequence 69317, A
c 215	15	0.6	25	7	US-10-719-956-101934	Sequence 101934,
216	15	0.6	25	7	US-10-719-956-109597	Sequence 109597,
217	15	0.6	25	7	US-10-719-956-114364	Sequence 114364,
c 218	15	0.6	25	7	US-10-719-956-117485	Sequence 117485,
219	15	0.6	25	7	US-10-719-956-125111	Sequence 125111,
220	15	0.6	25	7	US-10-719-956-128063	Sequence 128063,
c 221	15	0.6	25	7	US-10-719-956-140099	Sequence 140099,
222	15	0.6	25	7	US-10-719-956-141877	Sequence 141877,
223	15	0.6	25	7	US-10-719-956-194092	Sequence 194092,
c 224	15	0.6	25	7	US-10-719-956-207232	Sequence 207232,
c 225	15	0.6	25	7	US-10-719-956-227724	Sequence 227724,
226	15	0.6	25	7	US-10-719-956-240289	Sequence 240289,
c 227	15	0.6	25	7	US-10-719-956-251491	Sequence 251491,
c 228	15	0.6	25	7	US-10-719-956-259498	Sequence 259498,
229	15	0.6	25	7	US-10-719-956-272410	Sequence 272410,
c 230	15	0.6	25	7	US-10-719-956-278400	Sequence 278400,
c 231	15	0.6	25	7	US-10-719-956-305243	Sequence 305243,
c 232	15	0.6	25	7	US-10-719-956-336092	Sequence 336092,
233	15	0.6	25	7	US-10-719-956-357336	Sequence 357336,
234	15	0.6	25	7	US-10-719-956-358687	Sequence 358687,
c 235	15	0.6	25	7	US-10-719-956-373079	Sequence 373079,
c 236	15	0.6	25	7	US-10-719-956-374946	Sequence 374946,
237	15	0.6	25	7	US-10-719-956-391742	Sequence 391742,
238	15	0.6	25	7	US-10-719-956-394480	Sequence 394480,
c 239	15	0.6	25	7	US-10-719-956-400827	Sequence 400827,
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c 241	15	0.6	25	7	US-10-719-956-442877	Sequence 442877,
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244	15	0.6	25	7	US-10-719-956-522721	Sequence 522721,
245	15	0.6	25	7	US-10-719-956-548271	Sequence 548271,
246	15	0.6	25	7	US-10-719-956-552326	Sequence 552326,
247	15	0.6	25	7	US-10-719-956-561439	Sequence 561439,
248	15	0.6	25	7	US-10-719-956-566129	Sequence 566129,
c 249	15	0.6	25	7	US-10-719-956-586086	Sequence 586086,
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251	15	0.6	25	7	US-10-719-956-627398	Sequence 627398,
c 252	15	0.6	25	7	US-10-719-956-639031	Sequence 639031,
253	15	0.6	25	7	US-10-719-956-643310	Sequence 643310,
c 254	15	0.6	25	8	US-10-719-900-6092	Sequence 6092, Ap
255	15	0.6	25	8	US-10-719-900-23915	Sequence 23915, A
c 256	15	0.6	25	8	US-10-719-900-68949	Sequence 68949, A
c 257	15	0.6	25	8	US-10-719-900-69057	Sequence 69057, A
c 258	15	0.6	25	8	US-10-719-900-77284	Sequence 77284, A
259	15	0.6	25	8	US-10-719-900-105799	Sequence 105799,
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262	15	0.6	25	8	US-10-719-900-122828	Sequence 122828,
263	15	0.6	25	8	US-10-719-900-123954	Sequence 123954,
264	15	0.6	25	8	US-10-719-900-133006	Sequence 133006,
265	15	0.6	25	8	US-10-719-900-134183	Sequence 134183,
c 266	15	0.6	25	8	US-10-719-900-149557	Sequence 149557,
267	15	0.6	25	8	US-10-719-900-183614	Sequence 183614,
c 268	15	0.6	25	8	US-10-719-900-202357	Sequence 202357,
269	15	0.6	25	8	US-10-719-900-211989	Sequence 211989,
c 270	15	0.6	25	8	US-10-719-900-212735	Sequence 212735,
271	15	0.6	25	8	US-10-719-900-238492	Sequence 238492,
c 272	15	0.6	25	8	US-10-719-900-244611	Sequence 244611,
273	15	0.6	25	8	US-10-719-900-245975	Sequence 245975,
274	15	0.6	25	8	US-10-719-900-293180	Sequence 293180,
275	15	0.6	25	8	US-10-719-900-304246	Sequence 304246,
276	15	0.6	25	8	US-10-719-900-315292	Sequence 315292,
c 277	15	0.6	25	8	US-10-719-900-369549	Sequence 369549,
c 278	15	0.6	25	8	US-10-719-900-401930	Sequence 401930,
279	15	0.6	25	8	US-10-719-900-406262	Sequence 406262,
280	15	0.6	25	8	US-10-719-900-444112	Sequence 444112,
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282	15	0.6	25	8	US-10-719-900-456402	Sequence 456402,
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284	15	0.6	25	8	US-10-719-900-522420	Sequence 522420,
c 285	15	0.6	25	8	US-10-719-900-546822	Sequence 546822,
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c 287	15	0.6	25	8	US-10-719-900-621344	Sequence 621344,
c 288	15	0.6	25	8	US-10-719-900-625955	Sequence 625955,
289	15	0.6	25	8	US-10-719-900-635302	Sequence 635302,
290	15	0.6	25	8	US-10-719-900-641727	Sequence 641727,
291	15	0.6	25	8	US-10-719-900-645530	Sequence 645530,
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293	15	0.6	25	8	US-10-719-900-698107	Sequence 698107,
294	15	0.6	25	8	US-10-719-900-722495	Sequence 722495,
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297	15	0.6	25	8	US-10-719-900-798717	Sequence 798717,
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c 302	15	0.6	25	8	US-10-719-900-916028	Sequence 916028,
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c 305	15	0.6	25	9	US-10-809-189-33215	Sequence 33215, A
c 306	15	0.6	25	9	US-10-809-189-33216	Sequence 33216, A
c 307	15	0.6	25	9	US-10-809-189-33217	Sequence 33217, A
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309	15	0.6	25	9	US-10-809-189-100375	Sequence 100375,
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311	15	0.6	25	9	US-10-809-189-102940	Sequence 102940,
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c 314	15	0.6	25	9	US-10-956-157-46690	Sequence 46690, A
c 315	15	0.6	25	9	US-10-956-157-46699	Sequence 46699, A
c 316	15	0.6	25	9	US-10-956-157-64997	Sequence 64997, A
c 317	15	0.6	25	9	US-10-956-157-81172	Sequence 81172, A
c 318	15	0.6	25	9	US-10-956-157-81184	Sequence 81184, A
c 319	15	0.6	25	9	US-10-956-157-81189	Sequence 81189, A
c 320	15	0.6	25	9	US-10-956-157-81190	Sequence 81190, A
c 321	15	0.6	25	9	US-10-956-157-81196	Sequence 81196, A
c 322	15	0.6	25	9	US-10-956-157-81208	Sequence 81208, A
c 323	15	0.6	25	9	US-10-956-157-81213	Sequence 81213, A
c 324	15	0.6	25	9	US-10-956-157-81214	Sequence 81214, A
c 325	15	0.6	25	9	US-10-956-157-131450	Sequence 131450,
c 326	15	0.6	25	9	US-10-956-157-131616	Sequence 131616,
c 327	15	0.6	25	9	US-10-956-157-147956	Sequence 147956,
c 328	15	0.6	25	9	US-10-956-157-173416	Sequence 173416,
329	15	0.6	25	9	US-10-956-157-177459	Sequence 177459,
330	15	0.6	25	9	US-10-956-157-182933	Sequence 182933,
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c 335	15	0.6	25	9	US-10-956-157-249361	Sequence 249361,
c 336	15	0.6	25	9	US-10-956-157-258592	Sequence 258592,
c 337	15	0.6	25	9	US-10-956-157-275625	Sequence 275625,
c 338	15	0.6	25	9	US-10-956-157-277833	Sequence 277833,
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c 340	15	0.6	25	9	US-10-843-527-40475	Sequence 40475, A
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343	15	0.6	25	9	US-10-843-527-87662	Sequence 87662, A
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345	15	0.6	25	9	US-10-843-527-88148	Sequence 88148, A
346	15	0.6	25	9	US-10-843-527-88152	Sequence 88152, A
347	15	0.6	25	9	US-10-843-527-88154	Sequence 88154, A
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349	15	0.6	25	9	US-10-843-527-88637	Sequence 88637, A
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c 357	15	0.6	25	9	US-10-843-527-149538	Sequence 149538,
c 358	15	0.6	25	9	US-10-843-527-149540	Sequence 149540,
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c 364	15	0.6	25	9	US-10-843-527-150515	Sequence 150515,
c 365	15	0.6	25	9	US-10-843-527-150997	Sequence 150997,
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c 371	15	0.6	25	10	US-11-036-317-9189	Sequence 9189, Ap
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462	15	0.6	27	5	US-10-139-583-32	Sequence 32, Appl
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464	15	0.6	27	7	US-10-315-379-16	Sequence 16, Appl
465	15	0.6	27	8	US-10-877-623-30	Sequence 30, Appl
466	15	0.6	27	9	US-10-938-375-15	Sequence 15, Appl
467	15	0.6	27	9	US-10-957-311-4	Sequence 4, Appli
468	15	0.6	27	9	US-10-888-610-15	Sequence 15, Appl
469	15	0.6	27	10	US-11-021-088-32	Sequence 32, Appl
470	15	0.6	27	10	US-11-080-803-30	Sequence 30, Appl
471	15	0.6	27	10	US-11-149-564-33	Sequence 33, Appl
472	15	0.6	28	6	US-10-333-379-14	Sequence 14, Appl
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c 475	14	0.6	17	9	US-10-631-467-1669	Sequence 1669, Ap
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477	14	0.6	18	8	US-10-488-724-17	Sequence 17, Appl
c 478	14	0.6	18	8	US-10-626-832-106	Sequence 106, App
479	14	0.6	19	8	US-10-800-487-39	Sequence 39, Appl
c 480	14	0.6	19	8	US-10-800-487-205	Sequence 205, App
c 481	14	0.6	19	9	US-10-923-330-175	Sequence 175, App
482	14	0.6	19	9	US-10-923-330-398	Sequence 398, App
483	14	0.6	19	9	US-10-923-181-39	Sequence 39, Appl
c 484	14	0.6	19	9	US-10-923-181-205	Sequence 205, App
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487	14	0.6	20	5	US-10-191-513A-48	Sequence 48, Appl
c 488	14	0.6	20	6	US-10-448-836-204	Sequence 204, App
489	14	0.6	20	6	US-10-148-835-86	Sequence 86, Appl
c 490	14	0.6	20	6	US-10-448-914A-204	Sequence 204, App
491	14	0.6	20	7	US-10-280-183A-518	Sequence 518, App
c 492	14	0.6	20	7	US-10-300-820-49	Sequence 49, Appl
493	14	0.6	20	7	US-10-300-820-124	Sequence 124, App
494	14	0.6	20	7	US-10-304-111-16	Sequence 16, Appl
c 495	14	0.6	20	7	US-10-304-111-52	Sequence 52, Appl
496	14	0.6	20	7	US-10-467-126-84	Sequence 84, Appl
497	14	0.6	20	7	US-10-631-550A-11	Sequence 11, Appl
c 498	14	0.6	20	7	US-10-467-909-77	Sequence 77, Appl
c 499	14	0.6	20	7	US-10-652-795-495	Sequence 495, App
c 500	14	0.6	20	7	US-10-647-918-495	Sequence 495, App
c 501	14	0.6	20	9	US-10-770-970-495	Sequence 495, App
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c 503	14	0.6	20	9	US-10-831-901A-7172	Sequence 7172, Ap
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c 505	14	0.6	20	9	US-10-831-901A-7174	Sequence 7174, Ap
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c 507	14	0.6	20	9	US-10-831-901A-7176	Sequence 7176, Ap
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512	14	0.6	20	9	US-10-831-901A-8623	Sequence 8623, Ap
513	14	0.6	20	9	US-10-831-901A-8624	Sequence 8624, Ap
514	14	0.6	20	9	US-10-831-901A-8625	Sequence 8625, Ap
515	14	0.6	20	9	US-10-831-901A-8626	Sequence 8626, Ap
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518	14	0.6	20	10	US-11-036-095-124	Sequence 124, App
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520	14	0.6	21	8	US-10-751-736-3686	Sequence 3686, Ap
521	14	0.6	21	8	US-10-751-736-3952	Sequence 3952, Ap
522	14	0.6	21	8	US-10-751-736-3953	Sequence 3953, Ap
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526	14	0.6	21	8	US-10-751-736-44648	Sequence 44648, A
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c 529	14	0.6	21	9	US-10-919-964-1090	Sequence 1090, Ap
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c 531	14	0.6	22	3	US-09-964-261-270	Sequence 270, App
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c 533	14	0.6	22	9	US-10-826-448-17	Sequence 17, Appl
c 534	14	0.6	23	3	US-09-901-484A-149	Sequence 149, App

c 535	14	0.6	23	3	US-09-853-526-149	Sequence 149, App
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537	14	0.6	23	3	US-09-935-998A-36	Sequence 36, Appl
c 538	14	0.6	23	3	US-09-935-998A-41	Sequence 41, Appl
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c 542	14	0.6	23	7	US-10-072-012-1130	Sequence 1130, Ap
c 543	14	0.6	23	7	US-10-072-012-1133	Sequence 1133, Ap
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c 549	14	0.6	24	3	US-09-964-261-272	Sequence 272, App
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554	14	0.6	24	8	US-10-621-867-21	Sequence 21, Appl
555	14	0.6	24	8	US-10-621-867-22	Sequence 22, Appl
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563	14	0.6	25	5	US-10-098-263B-71614	Sequence 71614, A
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c 570	14	0.6	25	7	US-10-717-597-671	Sequence 671, App
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c 612	14	0.6	25	7	US-10-719-956-9882	Sequence 9882, Ap
613	14	0.6	25	7	US-10-719-956-12095	Sequence 12095, A
c 614	14	0.6	25	7	US-10-719-956-14239	Sequence 14239, A
c 615	14	0.6	25	7	US-10-719-956-20940	Sequence 20940, A
616	14	0.6	25	7	US-10-719-956-23325	Sequence 23325, A
617	14	0.6	25	7	US-10-719-956-26757	Sequence 26757, A
c 618	14	0.6	25	7	US-10-719-956-27838	Sequence 27838, A
c 619	14	0.6	25	7	US-10-719-956-35497	Sequence 35497, A
620	14	0.6	25	7	US-10-719-956-38190	Sequence 38190, A
c 621	14	0.6	25	7	US-10-719-956-42864	Sequence 42864, A
622	14	0.6	25	7	US-10-719-956-44429	Sequence 44429, A
623	14	0.6	25	7	US-10-719-956-52145	Sequence 52145, A
c 624	14	0.6	25	7	US-10-719-956-52310	Sequence 52310, A
625	14	0.6	25	7	US-10-719-956-52852	Sequence 52852, A
626	14	0.6	25	7	US-10-719-956-53356	Sequence 53356, A
627	14	0.6	25	7	US-10-719-956-56262	Sequence 56262, A
628	14	0.6	25	7	US-10-719-956-64856	Sequence 64856, A
629	14	0.6	25	7	US-10-719-956-70024	Sequence 70024, A
630	14	0.6	25	7	US-10-719-956-71648	Sequence 71648, A
631	14	0.6	25	7	US-10-719-956-82709	Sequence 82709, A
c 632	14	0.6	25	7	US-10-719-956-83292	Sequence 83292, A
633	14	0.6	25	7	US-10-719-956-84721	Sequence 84721, A
634	14	0.6	25	7	US-10-719-956-86520	Sequence 86520, A
635	14	0.6	25	7	US-10-719-956-87361	Sequence 87361, A
636	14	0.6	25	7	US-10-719-956-88414	Sequence 88414, A
637	14	0.6	25	7	US-10-719-956-93039	Sequence 93039, A
c 638	14	0.6	25	7	US-10-719-956-98052	Sequence 98052, A
c 639	14	0.6	25	7	US-10-719-956-98452	Sequence 98452, A
c 640	14	0.6	25	7	US-10-719-956-99217	Sequence 99217, A
c 641	14	0.6	25	7	US-10-719-956-101872	Sequence 101872,
642	14	0.6	25	7	US-10-719-956-104840	Sequence 104840,
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646	14	0.6	25	7	US-10-719-956-120516	Sequence 120516,
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c 655	14	0.6	25	7	US-10-719-956-132209	Sequence 132209,
c 656	14	0.6	25	7	US-10-719-956-132498	Sequence 132498,
657	14	0.6	25	7	US-10-719-956-135788	Sequence 135788,
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659	14	0.6	25	7	US-10-719-956-143958	Sequence 143958,
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c 670	14	0.6	25	7	US-10-719-956-195963	Sequence 195963,
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c 672	14	0.6	25	7	US-10-719-956-198707	Sequence 198707,
673	14	0.6	25	7	US-10-719-956-203910	Sequence 203910,
c 674	14	0.6	25	7	US-10-719-956-207057	Sequence 207057,
c 675	14	0.6	25	7	US-10-719-956-216698	Sequence 216698,
c 676	14	0.6	25	7	US-10-719-956-221573	Sequence 221573,
c 677	14	0.6	25	7	US-10-719-956-221757	Sequence 221757,
678	14	0.6	25	7	US-10-719-956-222042	Sequence 222042,
679	14	0.6	25	7	US-10-719-956-222246	Sequence 222246,
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683	14	0.6	25	7	US-10-719-956-224778	Sequence 224778,
c 684	14	0.6	25	7	US-10-719-956-229903	Sequence 229903,
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c 686	14	0.6	25	7	US-10-719-956-238225	Sequence 238225,
c 687	14	0.6	25	7	US-10-719-956-241315	Sequence 241315,
c 688	14	0.6	25	7	US-10-719-956-242923	Sequence 242923,
c 689	14	0.6	25	7	US-10-719-956-244118	Sequence 244118,
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691	14	0.6	25	7	US-10-719-956-249904	Sequence 249904,
692	14	0.6	25	7	US-10-719-956-250863	Sequence 250863,
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c 694	14	0.6	25	7	US-10-719-956-255417	Sequence 255417,
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c 699	14	0.6	25	7	US-10-719-956-299870	Sequence 299870,
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706	14	0.6	25	7	US-10-719-956-314081	Sequence 314081,
707	14	0.6	25	7	US-10-719-956-316422	Sequence 316422,
c 708	14	0.6	25	7	US-10-719-956-344606	Sequence 344606,
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c 716	14	0.6	25	7	US-10-719-956-372560	Sequence 372560,
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724	14	0.6	25	7	US-10-719-956-398493	Sequence 398493,
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c 793	14	0.6	25	7	US-10-719-956-663666	Sequence 663666,
c 794	14	0.6	25	7	US-10-719-956-664759	Sequence 664759,
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798	14	0.6	25	7	US-10-719-956-667641	Sequence 667641,
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c 800	14	0.6	25	7	US-10-719-956-680044	Sequence 680044,
c 801	14	0.6	25	7	US-10-719-956-687001	Sequence 687001,
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c 804	14	0.6	25	8	US-10-775-169-2712	Sequence 2712, Ap
c 805	14	0.6	25	8	US-10-775-169-4920	Sequence 4920, Ap
c 806	14	0.6	25	8	US-10-719-900-1254	Sequence 1254, Ap
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808	14	0.6	25	8	US-10-719-900-17233	Sequence 17233, A
c 809	14	0.6	25	8	US-10-719-900-19322	Sequence 19322, A
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c 841	14	0.6	25	8	US-10-719-900-124251	Sequence 124251,
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c 843	14	0.6	25	8	US-10-719-900-137731	Sequence 137731,
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862	14	0.6	25	8	US-10-719-900-212922	Sequence 212922,
c 863	14	0.6	25	8	US-10-719-900-218665	Sequence 218665,
864	14	0.6	25	8	US-10-719-900-224002	Sequence 224002,
c 865	14	0.6	25	8	US-10-719-900-225718	Sequence 225718,
866	14	0.6	25	8	US-10-719-900-231222	Sequence 231222,
c 867	14	0.6	25	8	US-10-719-900-231396	Sequence 231396,
868	14	0.6	25	8	US-10-719-900-243198	Sequence 243198,
869	14	0.6	25	8	US-10-719-900-250332	Sequence 250332,
c 870	14	0.6	25	8	US-10-719-900-252677	Sequence 252677,
c 871	14	0.6	25	8	US-10-719-900-261883	Sequence 261883,
872	14	0.6	25	8	US-10-719-900-263444	Sequence 263444,
873	14	0.6	25	8	US-10-719-900-265715	Sequence 265715,
874	14	0.6	25	8	US-10-719-900-265716	Sequence 265716,
875	14	0.6	25	8	US-10-719-900-270583	Sequence 270583,
c 876	14	0.6	25	8	US-10-719-900-271656	Sequence 271656,
c 877	14	0.6	25	8	US-10-719-900-285447	Sequence 285447,
878	14	0.6	25	8	US-10-719-900-286675	Sequence 286675,
879	14	0.6	25	8	US-10-719-900-287176	Sequence 287176,
880	14	0.6	25	8	US-10-719-900-287707	Sequence 287707,
c 881	14	0.6	25	8	US-10-719-900-291911	Sequence 291911,
882	14	0.6	25	8	US-10-719-900-292444	Sequence 292444,
883	14	0.6	25	8	US-10-719-900-301964	Sequence 301964,
c 884	14	0.6	25	8	US-10-719-900-305489	Sequence 305489,
885	14	0.6	25	8	US-10-719-900-305760	Sequence 305760,
c 886	14	0.6	25	8	US-10-719-900-309242	Sequence 309242,
c 887	14	0.6	25	8	US-10-719-900-318138	Sequence 318138,
888	14	0.6	25	8	US-10-719-900-318866	Sequence 318866,
889	14	0.6	25	8	US-10-719-900-340187	Sequence 340187,
c 890	14	0.6	25	8	US-10-719-900-349593	Sequence 349593,
891	14	0.6	25	8	US-10-719-900-351379	Sequence 351379,
c 892	14	0.6	25	8	US-10-719-900-353590	Sequence 353590,
893	14	0.6	25	8	US-10-719-900-354673	Sequence 354673,
c 894	14	0.6	25	8	US-10-719-900-359807	Sequence 359807,
895	14	0.6	25	8	US-10-719-900-363899	Sequence 363899,
c 896	14	0.6	25	8	US-10-719-900-366289	Sequence 366289,
897	14	0.6	25	8	US-10-719-900-368246	Sequence 368246,
898	14	0.6	25	8	US-10-719-900-371807	Sequence 371807,
899	14	0.6	25	8	US-10-719-900-372194	Sequence 372194,
c 900	14	0.6	25	8	US-10-719-900-373739	Sequence 373739,
901	14	0.6	25	8	US-10-719-900-375574	Sequence 375574,
902	14	0.6	25	8	US-10-719-900-380890	Sequence 380890,
c 903	14	0.6	25	8	US-10-719-900-382341	Sequence 382341,
c 904	14	0.6	25	8	US-10-719-900-383815	Sequence 383815,
c 905	14	0.6	25	8	US-10-719-900-390202	Sequence 390202,
906	14	0.6	25	8	US-10-719-900-391294	Sequence 391294,
c 907	14	0.6	25	8	US-10-719-900-395309	Sequence 395309,
c 908	14	0.6	25	8	US-10-719-900-396073	Sequence 396073,
c 909	14	0.6	25	8	US-10-719-900-400412	Sequence 400412,
910	14	0.6	25	8	US-10-719-900-404206	Sequence 404206,
c 911	14	0.6	25	8	US-10-719-900-408710	Sequence 408710,
912	14	0.6	25	8	US-10-719-900-409938	Sequence 409938,
913	14	0.6	25	8	US-10-719-900-415028	Sequence 415028,
c 914	14	0.6	25	8	US-10-719-900-416496	Sequence 416496,
915	14	0.6	25	8	US-10-719-900-423594	Sequence 423594,
916	14	0.6	25	8	US-10-719-900-440508	Sequence 440508,
c 917	14	0.6	25	8	US-10-719-900-443964	Sequence 443964,
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919	14	0.6	25	8	US-10-719-900-452798	Sequence 452798,
920	14	0.6	25	8	US-10-719-900-467759	Sequence 467759,
921	14	0.6	25	8	US-10-719-900-473293	Sequence 473293,
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923	14	0.6	25	8	US-10-719-900-476933	Sequence 476933,
c 924	14	0.6	25	8	US-10-719-900-477565	Sequence 477565,
c 925	14	0.6	25	8	US-10-719-900-477689	Sequence 477689,
926	14	0.6	25	8	US-10-719-900-477844	Sequence 477844,
c 927	14	0.6	25	8	US-10-719-900-484210	Sequence 484210,
c 928	14	0.6	25	8	US-10-719-900-485196	Sequence 485196,
c 929	14	0.6	25	8	US-10-719-900-485286	Sequence 485286,
930	14	0.6	25	8	US-10-719-900-485887	Sequence 485887,
931	14	0.6	25	8	US-10-719-900-491521	Sequence 491521,
932	14	0.6	25	8	US-10-719-900-499388	Sequence 499388,
c 933	14	0.6	25	8	US-10-719-900-500339	Sequence 500339,
934	14	0.6	25	8	US-10-719-900-503837	Sequence 503837,
c 935	14	0.6	25	8	US-10-719-900-508681	Sequence 508681,
c 936	14	0.6	25	8	US-10-719-900-510636	Sequence 510636,
c 937	14	0.6	25	8	US-10-719-900-515641	Sequence 515641,
c 938	14	0.6	25	8	US-10-719-900-519753	Sequence 519753,
939	14	0.6	25	8	US-10-719-900-522366	Sequence 522366,
940	14	0.6	25	8	US-10-719-900-530164	Sequence 530164,
941	14	0.6	25	8	US-10-719-900-530901	Sequence 530901,
c 942	14	0.6	25	8	US-10-719-900-531551	Sequence 531551,
c 943	14	0.6	25	8	US-10-719-900-534825	Sequence 534825,
c 944	14	0.6	25	8	US-10-719-900-539616	Sequence 539616,
945	14	0.6	25	8	US-10-719-900-540059	Sequence 540059,
946	14	0.6	25	8	US-10-719-900-549212	Sequence 549212,
947	14	0.6	25	8	US-10-719-900-552580	Sequence 552580,
948	14	0.6	25	8	US-10-719-900-558237	Sequence 558237,
949	14	0.6	25	8	US-10-719-900-559870	Sequence 559870,
950	14	0.6	25	8	US-10-719-900-561499	Sequence 561499,
951	14	0.6	25	8	US-10-719-900-571037	Sequence 571037,
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953	14	0.6	25	8	US-10-719-900-575134	Sequence 575134,
954	14	0.6	25	8	US-10-719-900-581649	Sequence 581649,
c 955	14	0.6	25	8	US-10-719-900-592369	Sequence 592369,
c 956	14	0.6	25	8	US-10-719-900-593286	Sequence 593286,
957	14	0.6	25	8	US-10-719-900-603887	Sequence 603887,
958	14	0.6	25	8	US-10-719-900-609197	Sequence 609197,
c 959	14	0.6	25	8	US-10-719-900-615491	Sequence 615491,
960	14	0.6	25	8	US-10-719-900-623347	Sequence 623347,
961	14	0.6	25	8	US-10-719-900-628022	Sequence 628022,
962	14	0.6	25	8	US-10-719-900-633487	Sequence 633487,
963	14	0.6	25	8	US-10-719-900-635063	Sequence 635063,
964	14	0.6	25	8	US-10-719-900-635662	Sequence 635662,
965	14	0.6	25	8	US-10-719-900-636958	Sequence 636958,
c 966	14	0.6	25	8	US-10-719-900-641196	Sequence 641196,
967	14	0.6	25	8	US-10-719-900-642685	Sequence 642685,
968	14	0.6	25	8	US-10-719-900-657239	Sequence 657239,
969	14	0.6	25	8	US-10-719-900-683637	Sequence 683637,
c 970	14	0.6	25	8	US-10-719-900-686717	Sequence 686717,
c 971	14	0.6	25	8	US-10-719-900-690828	Sequence 690828,
972	14	0.6	25	8	US-10-719-900-691632	Sequence 691632,

973	14	0.6	25	8	US-10-719-900-692034	Sequence 692034,
c 974	14	0.6	25	8	US-10-719-900-693901	Sequence 693901,
c 975	14	0.6	25	8	US-10-719-900-694933	Sequence 694933,
c 976	14	0.6	25	8	US-10-719-900-699869	Sequence 699869,
977	14	0.6	25	8	US-10-719-900-709450	Sequence 709450,
c 978	14	0.6	25	8	US-10-719-900-719199	Sequence 719199,
979	14	0.6	25	8	US-10-719-900-723456	Sequence 723456,
c 980	14	0.6	25	8	US-10-719-900-732570	Sequence 732570,
c 981	14	0.6	25	8	US-10-719-900-733061	Sequence 733061,
982	14	0.6	25	8	US-10-719-900-737907	Sequence 737907,
c 983	14	0.6	25	8	US-10-719-900-749570	Sequence 749570,
984	14	0.6	25	8	US-10-719-900-753028	Sequence 753028,
c 985	14	0.6	25	8	US-10-719-900-757469	Sequence 757469,
c 986	14	0.6	25	8	US-10-719-900-770604	Sequence 770604,
987	14	0.6	25	8	US-10-719-900-772186	Sequence 772186,
988	14	0.6	25	8	US-10-719-900-773787	Sequence 773787,
c 989	14	0.6	25	8	US-10-719-900-774580	Sequence 774580,
c 990	14	0.6	25	8	US-10-719-900-781892	Sequence 781892,
c 991	14	0.6	25	8	US-10-719-900-785940	Sequence 785940,
992	14	0.6	25	8	US-10-719-900-787425	Sequence 787425,
c 993	14	0.6	25	8	US-10-719-900-803192	Sequence 803192,
994	14	0.6	25	8	US-10-719-900-808384	Sequence 808384,
995	14	0.6	25	8	US-10-719-900-808402	Sequence 808402,
996	14	0.6	25	8	US-10-719-900-809983	Sequence 809983,
c 997	14	0.6	25	8	US-10-719-900-819127	Sequence 819127,
998	14	0.6	25	8	US-10-719-900-822556	Sequence 822556,
c 999	14	0.6	25	8	US-10-719-900-831419	Sequence 831419,
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ALIGNMENTS

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RESULT 1
US-10-074-978A-525
; Sequence 525, Application US/10074978A
; Publication No. US20040010119A1
; GENERAL INFORMATION:
;  APPLICANT: Leite, Mario
;  APPLICANT:  Spytek, Kimberly A
;  APPLICANT:  Guo, Xiaojia (Sasha)
;  APPLICANT:  Fernandes, Elma
;  APPLICANT:  Li, Li
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Liu, Xiahong
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Boldog, Ferenc
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Blalock, Angela
;  APPLICANT:  Ballinger, Robert
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Tchernev, Velizar T
;  APPLICANT:  Malyankar, Uriel M
;  APPLICANT:  Gusev, Vladimir
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Mezes, Peter S
;  APPLICANT:  Ellerman, Karen
;  APPLICANT:  Heyes, Melvin P
;  APPLICANT:  Herrman, John
;  APPLICANT:  Pena, Carol E A
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Taupier Jr, Raymond J
;  APPLICANT:  Moore, No. US20040010119A1lle
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Gunther, Erik
;  APPLICANT:  Stone, Dave
;  APPLICANT:  Millet, Isabelle
;  APPLICANT:  Peyman, John
;  APPLICANT:  Smithson, Glennda
;  TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
;  FILE REFERENCE: 21402-269
;  CURRENT APPLICATION NUMBER: US/10/074,978A
;  CURRENT FILING DATE:  2003-01-07
;  PRIOR APPLICATION NUMBER: 60/268,221
;  PRIOR FILING DATE: 2001-02-12
;  PRIOR APPLICATION NUMBER: 60/335,109
;  PRIOR FILING DATE: 2001-10-31
;  PRIOR APPLICATION NUMBER: 60/312,284
;  PRIOR FILING DATE: 2001-08-14
;  PRIOR APPLICATION NUMBER: 60/268,496
;  PRIOR FILING DATE: 2001-02-13
;  PRIOR APPLICATION NUMBER: 60/276,703
;  PRIOR FILING DATE: 2001-03-16
;  PRIOR APPLICATION NUMBER: 60/330,293
;  PRIOR FILING DATE: 2001-10-18
;  PRIOR APPLICATION NUMBER: 60/322,127
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: 60/280,899
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: 60/310,797
;  PRIOR FILING DATE: 2001-08-08
;  PRIOR APPLICATION NUMBER: 60/268,646
;  PRIOR FILING DATE: 2001-02-14
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 547
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 525
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  PCR Primer
;   OTHER INFORMATION: sequence
US-10-074-978A-525

  Query Match             1.1%;  Score 26;  DB 6;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 0.022;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        739 CTTTCCTGCCCCTGAGGAAGTCAATT 764
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Db          1 CTTTCCTGCCCCTGAGGAAGTCAATT 26


RESULT 2
US-10-262-839-315
; Sequence 315, Application US/10262839
; Publication No. US20040038877A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook, John,
;  APPLICANT:  Anderson, David W.,
;  APPLICANT:  Boldog, Ferenc,
;  APPLICANT:  Burgess, Catherine,
;  APPLICANT:  Catterton, Elina,
;  APPLICANT:  Edinger, Shlomit,
;  APPLICANT:  Ellerman, Karen,
;  APPLICANT:  Gerlach, Valerie,
;  APPLICANT:  Gorman, Linda,
;  APPLICANT:  Guo, Xiaojia,
;  APPLICANT:  Ji, Weizhen,
;  APPLICANT:  Kekuda, Ramesh,
;  APPLICANT:  Leach, Martin,
;  APPLICANT:  Li, Li,
;  APPLICANT:  Miller, Charles,
;  APPLICANT:  Patturajan, Meera,
;  APPLICANT:  Reiger, Daniel,
;  APPLICANT:  Rothenberg, Mark,
;  APPLICANT:  Shimkets, Richard,
;  APPLICANT:  Smithson, Glennda,
;  APPLICANT:  Spytek, Kimberly,
;  APPLICANT:  Taupier, Raymond, jr.,
;  APPLICANT:  Vernet, Corine,
;  APPLICANT:  Voss, Edward,
;  APPLICANT:  Zerhusen, Brian,
;  APPLICANT:  Zhong, Mei
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;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
;  FILE REFERENCE: 21402-462A
;  CURRENT APPLICATION NUMBER: US/10/262,839
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: 60/326,483
;  PRIOR FILING DATE: 2001-10-02
;  PRIOR APPLICATION NUMBER: 60/327,917
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,029
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,056
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/381,101
;  PRIOR FILING DATE: 2002-05-16
;  PRIOR APPLICATION NUMBER: 60/371,972
;  PRIOR FILING DATE: 2002-04-12
;  PRIOR APPLICATION NUMBER: 60/327,342
;  PRIOR FILING DATE: 2001-10-05
;  PRIOR APPLICATION NUMBER: 60/328,044
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,849
;  PRIOR FILING DATE: 2001-10-12
;  PRIOR APPLICATION NUMBER: 60/374,738
;  PRIOR FILING DATE: 2002-04-23
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 367
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 315
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-262-839-315

  Query Match             1.1%;  Score 26;  DB 7;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 0.022;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 CTTTCCTGCCCCTGAGGAAGTCAATT 26


RESULT 3
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; Sequence 318, Application US/10262839
; Publication No. US20040038877A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook, John,
;  APPLICANT:  Anderson, David W.,
;  APPLICANT:  Boldog, Ferenc,
;  APPLICANT:  Burgess, Catherine,
;  APPLICANT:  Catterton, Elina,
;  APPLICANT:  Edinger, Shlomit,
;  APPLICANT:  Ellerman, Karen,
;  APPLICANT:  Gerlach, Valerie,
;  APPLICANT:  Gorman, Linda,
;  APPLICANT:  Guo, Xiaojia,
;  APPLICANT:  Ji, Weizhen,
;  APPLICANT:  Kekuda, Ramesh,
;  APPLICANT:  Leach, Martin,
;  APPLICANT:  Li, Li,
;  APPLICANT:  Miller, Charles,
;  APPLICANT:  Patturajan, Meera,
;  APPLICANT:  Reiger, Daniel,
;  APPLICANT:  Rothenberg, Mark,
;  APPLICANT:  Shimkets, Richard,
;  APPLICANT:  Smithson, Glennda,
;  APPLICANT:  Spytek, Kimberly,
;  APPLICANT:  Taupier, Raymond, jr.,
;  APPLICANT:  Vernet, Corine,
;  APPLICANT:  Voss, Edward,
;  APPLICANT:  Zerhusen, Brian,
;  APPLICANT:  Zhong, Mei
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
;  FILE REFERENCE: 21402-462A
;  CURRENT APPLICATION NUMBER: US/10/262,839
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: 60/326,483
;  PRIOR FILING DATE: 2001-10-02
;  PRIOR APPLICATION NUMBER: 60/327,917
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,029
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,056
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/381,101
;  PRIOR FILING DATE: 2002-05-16
;  PRIOR APPLICATION NUMBER: 60/371,972
;  PRIOR FILING DATE: 2002-04-12
;  PRIOR APPLICATION NUMBER: 60/327,342
;  PRIOR FILING DATE: 2001-10-05
;  PRIOR APPLICATION NUMBER: 60/328,044
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,849
;  PRIOR FILING DATE: 2001-10-12
;  PRIOR APPLICATION NUMBER: 60/374,738
;  PRIOR FILING DATE: 2002-04-23
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 367
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 318
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-262-839-318

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.074;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 AACGAGGGCTTCTATTCCAGCACGT 25


RESULT 4
US-11-036-317-266946
; Sequence 266946, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 266946
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-266946

  Query Match             1.0%;  Score 24;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.25;
  Matches   24;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        533 TCACTCACGCTGCCCAACATGTTT 556
              ||||||||||||||||||||||||
```

```
Db          2 TCACTCACGCTGCCCAACATGTTT 25


RESULT 5
US-11-036-317-250427
; Sequence 250427, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 250427
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-250427

  Query Match             1.0%;  Score 23;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.85;
  Matches   23;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        533 TCACTCACGCTGCCCAACATGTT 555
              |||||||||||||||||||||||
Db          3 TCACTCACGCTGCCCAACATGTT 25


RESULT 6
US-10-074-978A-524
; Sequence 524, Application US/10074978A
; Publication No. US20040010119A1
; GENERAL INFORMATION:
;  APPLICANT: Leite, Mario
;  APPLICANT:  Spytek, Kimberly A
;  APPLICANT:  Guo, Xiaojia (Sasha)
;  APPLICANT:  Fernandes, Elma
;  APPLICANT:  Li, Li
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Liu, Xiahong
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Boldog, Ferenc
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Blalock, Angela
;  APPLICANT:  Ballinger, Robert
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Tchernev, Velizar T
;  APPLICANT:  Malyankar, Uriel M
;  APPLICANT:  Gusev, Vladimir
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Mezes, Peter S
;  APPLICANT:  Ellerman, Karen
;  APPLICANT:  Heyes, Melvin P
;  APPLICANT:  Herrman, John
;  APPLICANT:  Pena, Carol E A
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Taupier Jr, Raymond J
;  APPLICANT:  Moore, No. US20040010119A1lle
;  APPLICANT:  Shenoy, Suresh
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Gunther, Erik
;  APPLICANT:  Stone, Dave
;  APPLICANT:  Millet, Isabelle
;  APPLICANT:  Peyman, John
;  APPLICANT:  Smithson, Glennda
;  TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
;  FILE REFERENCE: 21402-269
;  CURRENT APPLICATION NUMBER: US/10/074,978A
;  CURRENT FILING DATE:  2003-01-07
;  PRIOR APPLICATION NUMBER: 60/268,221
;  PRIOR FILING DATE: 2001-02-12
;  PRIOR APPLICATION NUMBER: 60/335,109
;  PRIOR FILING DATE: 2001-10-31
;  PRIOR APPLICATION NUMBER: 60/312,284
;  PRIOR FILING DATE: 2001-08-14
;  PRIOR APPLICATION NUMBER: 60/268,496
;  PRIOR FILING DATE: 2001-02-13
;  PRIOR APPLICATION NUMBER: 60/276,703
;  PRIOR FILING DATE: 2001-03-16
;  PRIOR APPLICATION NUMBER: 60/330,293
;  PRIOR FILING DATE: 2001-10-18
;  PRIOR APPLICATION NUMBER: 60/322,127
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: 60/280,899
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: 60/310,797
;  PRIOR FILING DATE: 2001-08-08
;  PRIOR APPLICATION NUMBER: 60/268,646
;  PRIOR FILING DATE: 2001-02-14
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 547
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 524
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  PCR Primer
;   OTHER INFORMATION: sequence
US-10-074-978A-524

  Query Match             0.9%;  Score 22;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 2.9;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 GCCTGCCTTATCTTTCTGAACT 713
              ||||||||||||||||||||||
Db          1 GCCTGCCTTATCTTTCTGAACT 22


RESULT 7
US-10-074-978A-526/c
; Sequence 526, Application US/10074978A
; Publication No. US20040010119A1
; GENERAL INFORMATION:
;  APPLICANT: Leite, Mario
;  APPLICANT:  Spytek, Kimberly A
;  APPLICANT:  Guo, Xiaojia (Sasha)
;  APPLICANT:  Fernandes, Elma
;  APPLICANT:  Li, Li
;  APPLICANT:  Kekuda, Ramesh
;  APPLICANT:  Liu, Xiahong
;  APPLICANT:  Casman, Stacie
;  APPLICANT:  Boldog, Ferenc
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Blalock, Angela
;  APPLICANT:  Ballinger, Robert
;  APPLICANT:  Vernet, Corine
;  APPLICANT:  Tchernev, Velizar T
;  APPLICANT:  Malyankar, Uriel M
;  APPLICANT:  Gusev, Vladimir
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  Mezes, Peter S
;  APPLICANT:  Ellerman, Karen
;  APPLICANT:  Heyes, Melvin P
;  APPLICANT:  Herrman, John
;  APPLICANT:  Pena, Carol E A
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Taupier Jr, Raymond J
;  APPLICANT:  Moore, No. US20040010119A1lle
;  APPLICANT:  Shenoy, Suresh
```

```
;  APPLICANT:  Edinger, Shlomit
;  APPLICANT:  Gunther, Erik
;  APPLICANT:  Stone, Dave
;  APPLICANT:  Millet, Isabelle
;  APPLICANT:  Peyman, John
;  APPLICANT:  Smithson, Glennda
;  TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
;  FILE REFERENCE: 21402-269
;  CURRENT APPLICATION NUMBER: US/10/074,978A
;  CURRENT FILING DATE:  2003-01-07
;  PRIOR APPLICATION NUMBER: 60/268,221
;  PRIOR FILING DATE: 2001-02-12
;  PRIOR APPLICATION NUMBER: 60/335,109
;  PRIOR FILING DATE: 2001-10-31
;  PRIOR APPLICATION NUMBER: 60/312,284
;  PRIOR FILING DATE: 2001-08-14
;  PRIOR APPLICATION NUMBER: 60/268,496
;  PRIOR FILING DATE: 2001-02-13
;  PRIOR APPLICATION NUMBER: 60/276,703
;  PRIOR FILING DATE: 2001-03-16
;  PRIOR APPLICATION NUMBER: 60/330,293
;  PRIOR FILING DATE: 2001-10-18
;  PRIOR APPLICATION NUMBER: 60/322,127
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: 60/280,899
;  PRIOR FILING DATE: 2001-04-02
;  PRIOR APPLICATION NUMBER: 60/310,797
;  PRIOR FILING DATE: 2001-08-08
;  PRIOR APPLICATION NUMBER: 60/268,646
;  PRIOR FILING DATE: 2001-02-14
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 547
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 526
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  PCR Primer
;   OTHER INFORMATION: sequence
US-10-074-978A-526

  Query Match             0.9%;  Score 22;  DB 6;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 2.9;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        767 ACGAAGAAGATCAAGCTGAGTG 788
              ||||||||||||||||||||||
Db         22 ACGAAGAAGATCAAGCTGAGTG 1


RESULT 8
US-10-262-839-314
; Sequence 314, Application US/10262839
; Publication No. US20040038877A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook, John,
;  APPLICANT:  Anderson, David W.,
;  APPLICANT:  Boldog, Ferenc,
;  APPLICANT:  Burgess, Catherine,
;  APPLICANT:  Catterton, Elina,
;  APPLICANT:  Edinger, Shlomit,
;  APPLICANT:  Ellerman, Karen,
;  APPLICANT:  Gerlach, Valerie,
;  APPLICANT:  Gorman, Linda,
;  APPLICANT:  Guo, Xiaojia,
;  APPLICANT:  Ji, Weizhen,
;  APPLICANT:  Kekuda, Ramesh,
;  APPLICANT:  Leach, Martin,
;  APPLICANT:  Li, Li,
;  APPLICANT:  Miller, Charles,
;  APPLICANT:  Patturajan, Meera,
;  APPLICANT:  Reiger, Daniel,
;  APPLICANT:  Rothenberg, Mark,
;  APPLICANT:  Shimkets, Richard,
;  APPLICANT:  Smithson, Glennda,
;  APPLICANT:  Spytek, Kimberly,
;  APPLICANT:  Taupier, Raymond, jr.,
;  APPLICANT:  Vernet, Corine,
;  APPLICANT:  Voss, Edward,
;  APPLICANT:  Zerhusen, Brian,
;  APPLICANT:  Zhong, Mei
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
;  FILE REFERENCE: 21402-462A
;  CURRENT APPLICATION NUMBER: US/10/262,839
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: 60/326,483
;  PRIOR FILING DATE: 2001-10-02
;  PRIOR APPLICATION NUMBER: 60/327,917
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,029
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,056
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/381,101
;  PRIOR FILING DATE: 2002-05-16
;  PRIOR APPLICATION NUMBER: 60/371,972
;  PRIOR FILING DATE: 2002-04-12
;  PRIOR APPLICATION NUMBER: 60/327,342
;  PRIOR FILING DATE: 2001-10-05
;  PRIOR APPLICATION NUMBER: 60/328,044
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,849
;  PRIOR FILING DATE: 2001-10-12
;  PRIOR APPLICATION NUMBER: 60/374,738
;  PRIOR FILING DATE: 2002-04-23
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 367
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 314
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-262-839-314

  Query Match             0.9%;  Score 22;  DB 7;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 2.9;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 GCCTGCCTTATCTTTCTGAACT 713
              ||||||||||||||||||||||
Db          1 GCCTGCCTTATCTTTCTGAACT 22


RESULT 9
US-10-262-839-316/c
; Sequence 316, Application US/10262839
; Publication No. US20040038877A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook, John,
;  APPLICANT:  Anderson, David W.,
;  APPLICANT:  Boldog, Ferenc,
;  APPLICANT:  Burgess, Catherine,
;  APPLICANT:  Catterton, Elina,
;  APPLICANT:  Edinger, Shlomit,
;  APPLICANT:  Ellerman, Karen,
;  APPLICANT:  Gerlach, Valerie,
;  APPLICANT:  Gorman, Linda,
;  APPLICANT:  Guo, Xiaojia,
;  APPLICANT:  Ji, Weizhen,
;  APPLICANT:  Kekuda, Ramesh,
;  APPLICANT:  Leach, Martin,
;  APPLICANT:  Li, Li,
;  APPLICANT:  Miller, Charles,
```

```
;  APPLICANT:  Patturajan, Meera,
;  APPLICANT:  Reiger, Daniel,
;  APPLICANT:  Rothenberg, Mark,
;  APPLICANT:  Shimkets, Richard,
;  APPLICANT:  Smithson, Glennda,
;  APPLICANT:  Spytek, Kimberly,
;  APPLICANT:  Taupier, Raymond, jr.,
;  APPLICANT:  Vernet, Corine,
;  APPLICANT:  Voss, Edward,
;  APPLICANT:  Zerhusen, Brian,
;  APPLICANT:  Zhong, Mei
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
;  FILE REFERENCE: 21402-462A
;  CURRENT APPLICATION NUMBER: US/10/262,839
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: 60/326,483
;  PRIOR FILING DATE: 2001-10-02
;  PRIOR APPLICATION NUMBER: 60/327,917
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,029
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,056
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/381,101
;  PRIOR FILING DATE: 2002-05-16
;  PRIOR APPLICATION NUMBER: 60/371,972
;  PRIOR FILING DATE: 2002-04-12
;  PRIOR APPLICATION NUMBER: 60/327,342
;  PRIOR FILING DATE: 2001-10-05
;  PRIOR APPLICATION NUMBER: 60/328,044
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,849
;  PRIOR FILING DATE: 2001-10-12
;  PRIOR APPLICATION NUMBER: 60/374,738
;  PRIOR FILING DATE: 2002-04-23
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 367
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 316
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-262-839-316

  Query Match             0.9%;  Score 22;  DB 7;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 2.9;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        767 ACGAAGAAGATCAAGCTGAGTG 788
              ||||||||||||||||||||||
Db         22 ACGAAGAAGATCAAGCTGAGTG 1


RESULT 10
US-11-036-317-178901
; Sequence 178901, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 178901
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-178901

  Query Match             0.9%;  Score 22;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.9;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        533 TCACTCACGCTGCCCAACATGT 554
              ||||||||||||||||||||||
Db          4 TCACTCACGCTGCCCAACATGT 25


RESULT 11
US-11-036-317-349781
; Sequence 349781, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 349781
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-349781

  Query Match             0.9%;  Score 21;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 9.9;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        533 TCACTCACGCTGCCCAACATG 553
              |||||||||||||||||||||
Db          5 TCACTCACGCTGCCCAACATG 25


RESULT 12
US-10-262-839-317
; Sequence 317, Application US/10262839
; Publication No. US20040038877A1
; GENERAL INFORMATION:
;  APPLICANT: Alsobrook, John,
;  APPLICANT:  Anderson, David W.,
;  APPLICANT:  Boldog, Ferenc,
;  APPLICANT:  Burgess, Catherine,
;  APPLICANT:  Catterton, Elina,
;  APPLICANT:  Edinger, Shlomit,
;  APPLICANT:  Ellerman, Karen,
;  APPLICANT:  Gerlach, Valerie,
;  APPLICANT:  Gorman, Linda,
;  APPLICANT:  Guo, Xiaojia,
;  APPLICANT:  Ji, Weizhen,
;  APPLICANT:  Kekuda, Ramesh,
;  APPLICANT:  Leach, Martin,
;  APPLICANT:  Li, Li,
;  APPLICANT:  Miller, Charles,
;  APPLICANT:  Patturajan, Meera,
;  APPLICANT:  Reiger, Daniel,
;  APPLICANT:  Rothenberg, Mark,
;  APPLICANT:  Shimkets, Richard,
;  APPLICANT:  Smithson, Glennda,
;  APPLICANT:  Spytek, Kimberly,
;  APPLICANT:  Taupier, Raymond, jr.,
;  APPLICANT:  Vernet, Corine,
;  APPLICANT:  Voss, Edward,
;  APPLICANT:  Zerhusen, Brian,
;  APPLICANT:  Zhong, Mei
```

```
;  TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
;  FILE REFERENCE: 21402-462A
;  CURRENT APPLICATION NUMBER: US/10/262,839
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: 60/326,483
;  PRIOR FILING DATE: 2001-10-02
;  PRIOR APPLICATION NUMBER: 60/327,917
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,029
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,056
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/381,101
;  PRIOR FILING DATE: 2002-05-16
;  PRIOR APPLICATION NUMBER: 60/371,972
;  PRIOR FILING DATE: 2002-04-12
;  PRIOR APPLICATION NUMBER: 60/327,342
;  PRIOR FILING DATE: 2001-10-05
;  PRIOR APPLICATION NUMBER: 60/328,044
;  PRIOR FILING DATE: 2001-10-09
;  PRIOR APPLICATION NUMBER: 60/328,849
;  PRIOR FILING DATE: 2001-10-12
;  PRIOR APPLICATION NUMBER: 60/374,738
;  PRIOR FILING DATE: 2002-04-23
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 367
;  SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 317
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence:  Primer/Probe
US-10-262-839-317

  Query Match             0.9%;  Score 20;  DB 7;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 34;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        177 GCTCCCTGTTGATCATTCTG 196
              ||||||||||||||||||||
Db          1 GCTCCCTGTTGATCATTCTG 20


RESULT 13
US-11-036-317-388123
; Sequence 388123, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 388123
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-388123

  Query Match             0.9%;  Score 20;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 34;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        533 TCACTCACGCTGCCCAACAT 552
              ||||||||||||||||||||
Db          6 TCACTCACGCTGCCCAACAT 25


RESULT 14
US-11-036-317-396530
; Sequence 396530, Application US/11036317
; Publication No. US20050214823A1
; GENERAL INFORMATION:
;  APPLICANT: Williams, Alan
;  APPLICANT:  Blume, John
;  TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse
;  FILE REFERENCE: 3654.1
;  CURRENT APPLICATION NUMBER: US/11/036,317
;  CURRENT FILING DATE:  2005-01-13
;  PRIOR APPLICATION NUMBER: US 60/536,639
;  PRIOR FILING DATE: 2004-01-13
;  NUMBER OF SEQ ID NOS: 991174
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 396530
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-11-036-317-396530

  Query Match             0.8%;  Score 19;  DB 10;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        533 TCACTCACGCTGCCCAACA 551
              |||||||||||||||||||
Db          7 TCACTCACGCTGCCCAACA 25


RESULT 15
US-10-719-956-10440/c
; Sequence 10440, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
;  APPLICANT: Xue Mei Zhou
;  TITLE OF INVENTION: Methods of Genetic Analysis of Rat
;  FILE REFERENCE: 3527.1
;  CURRENT APPLICATION NUMBER: US/10/719,956
;  CURRENT FILING DATE:  2003-11-20
;  PRIOR APPLICATION NUMBER: 60/427,836
;  PRIOR FILING DATE: 2002 11 20
;  NUMBER OF SEQ ID NOS: 699466
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 10440
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Rattus norvegicus
US-10-719-956-10440

  Query Match             0.8%;  Score 18;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 3.9e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        298 GATGCTCAACCTGGGCTT 315
              ||||||||||||||||||
Db         19 GATGCTCAACCTGGGCTT 2


RESULT 16
US-10-719-900-509070/c
; Sequence 509070, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
;  APPLICANT: Xue Mei Zhou
;  TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
;  FILE REFERENCE: 3528.1
;  CURRENT APPLICATION NUMBER: US/10/719,900
;  CURRENT FILING DATE:  2003-11-20
;  PRIOR APPLICATION NUMBER: 60/427,808
;  PRIOR FILING DATE: 2002 11 20
;  NUMBER OF SEQ ID NOS: 982914
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;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 509070
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Mus musculus
US-10-719-900-509070

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  Best Local Similarity   100.0%;  Pred. No. 3.9e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1247 GGCACTGTCCTCGGAGAT 1264
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Db         19 GGCACTGTCCTCGGAGAT 2


RESULT 17
US-10-919-964-684
; Sequence 684, Application US/10919964
; Publication No. US20050176665A1
; GENERAL INFORMATION:
;  APPLICANT: Sirna Therapeutics, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hairless (HR) Gene
;  TITLE OF INVENTION:  Expression Using Short Interfering Nucleic Acid (siNA)
;  FILE REFERENCE: 400/224 (MBHB04-378-C)
;  CURRENT APPLICATION NUMBER: US/10/919,964
;  CURRENT FILING DATE:  2004-08-17
;  PRIOR APPLICATION NUMBER: US 10/832,522
;  PRIOR FILING DATE: 2004-04-26
;  PRIOR APPLICATION NUMBER: US 10/830,569
;  PRIOR FILING DATE: 2004-04-23
;  PRIOR APPLICATION NUMBER: US 10/825,485
;  PRIOR FILING DATE: 2004-04-15
;  PRIOR APPLICATION NUMBER: PCT/US04/16390
;  PRIOR FILING DATE: 2004-05-24
;  PRIOR APPLICATION NUMBER: US 10/826,966
;  PRIOR FILING DATE: 2004-04-16
;  PRIOR APPLICATION NUMBER: US 10/757,803
;  PRIOR FILING DATE: 2004-01-14
;  PRIOR APPLICATION NUMBER: US 10/720,448
;  PRIOR FILING DATE: 2003-11-24
;  PRIOR APPLICATION NUMBER: US 10/693,059
;  PRIOR FILING DATE: 2003-10-23
;  PRIOR APPLICATION NUMBER: US 10/444,853
;  PRIOR FILING DATE: 2003-05-23
;  PRIOR APPLICATION NUMBER: PCT/US03/05346
;  PRIOR FILING DATE: 2003-02-20
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1142
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 684
;   LENGTH: 23
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target Sequence/siNA sense r
US-10-919-964-684

  Query Match             0.7%;  Score 17;  DB 9;  Length 23;
  Best Local Similarity   58.8%;  Pred. No. 1.3e+03;
  Matches   10;  Conservative    7;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1653 TGCCTTCCTACCTCTTC 1669
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Db          1 UGCCUUCCUACCUCUUC 17


RESULT 18
US-09-845-042-19
; Sequence 19, Application US/09845042
; Publication No. US20030092177A1
; GENERAL INFORMATION:
;  APPLICANT: BELARDELLI, FILIPPO
;  APPLICANT:  SANTINI, STEFANO MARIA
;  APPLICANT:  PARLATO, STEFANIA
;  APPLICANT:  DI PUCCHIO, TIZIANA
;  APPLICANT:  LOGOZZI, MARIANTONIA
;  APPLICANT:  LAPENTA, CATERINA
;  APPLICANT:  FERRANTINI, MARIA
;  APPLICANT:  SANTODONATO, LAURA
;  APPLICANT:  D'AGOSTINO, GIUSEPPINA
;  TITLE OF INVENTION: METHOD FOR GENERATING HIGHLY ACTIVE HUMAN DENDRITIC
;  TITLE OF INVENTION:  CELLS FROM MONOCYTES
;  FILE REFERENCE: 618742-8/JP/B-4161
;  CURRENT APPLICATION NUMBER: US/09/845,042
;  CURRENT FILING DATE:  2001-04-27
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-845-042-19

  Query Match             0.7%;  Score 17;  DB 3;  Length 24;
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Qy        694 CTGCCTTATCTTTCTGA 710
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Db          8 CTGCCTTATCTTTCTGA 24


RESULT 19
US-10-098-263B-94493/c
; Sequence 94493, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
;  APPLICANT: Mittman, Michael
;  TITLE OF INVENTION: Human Microarray
;  FILE REFERENCE: 3118.1
;  CURRENT APPLICATION NUMBER: US/10/098,263B
;  CURRENT FILING DATE:  2003-01-08
;  PRIOR APPLICATION NUMBER: 60/276,759
;  PRIOR FILING DATE: 2001-03-16
;  NUMBER OF SEQ ID NOS: 131066
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 94493
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-098-263B-94493

  Query Match             0.7%;  Score 17;  DB 5;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        801 ACCACAAGGTGACAGGT 817
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Db         20 ACCACAAGGTGACAGGT 4


RESULT 20
US-10-719-956-396920/c
; Sequence 396920, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
;  APPLICANT: Xue Mei Zhou
;  TITLE OF INVENTION: Methods of Genetic Analysis of Rat
;  FILE REFERENCE: 3527.1
;  CURRENT APPLICATION NUMBER: US/10/719,956
;  CURRENT FILING DATE:  2003-11-20
;  PRIOR APPLICATION NUMBER: 60/427,836
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; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 396920
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-396920

Query Match 0.7%; Score 17; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         25 ATGGACCGCTTTGGCCC 9
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OM nucleic - nucleic search, using sw model

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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 6038814 seqs, 404674181 residues

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Post-processing: Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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c	3	26	1.1	26	6	US-10-310-914A-313768	Sequence 313768,
c	4	26	1.1	27	6	US-10-310-914A-313797	Sequence 313797,
c	5	25	1.1	25	6	US-10-310-914A-313755	Sequence 313755,
c	6	25	1.1	25	6	US-10-310-914A-313776	Sequence 313776,
c	7	25	1.1	25	6	US-10-310-914A-313796	Sequence 313796,
	8	25	1.1	25	7	US-11-121-849-135610	Sequence 135610,
	9	25	1.1	25	7	US-11-121-849-135611	Sequence 135611,
	10	25	1.1	25	7	US-11-121-849-135612	Sequence 135612,
	11	25	1.1	25	7	US-11-121-849-135613	Sequence 135613,
	12	25	1.1	25	7	US-11-121-849-135614	Sequence 135614,
	13	25	1.1	25	7	US-11-121-849-135615	Sequence 135615,
	14	25	1.1	25	7	US-11-121-849-135616	Sequence 135616,
	15	25	1.1	25	7	US-11-121-849-135617	Sequence 135617,
	16	25	1.1	25	7	US-11-121-849-135618	Sequence 135618,
	17	25	1.1	25	7	US-11-121-849-135619	Sequence 135619,
	18	25	1.1	25	7	US-11-121-849-135620	Sequence 135620,
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c	21	23	1.0	23	6	US-10-310-914A-313757	Sequence 313757,
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166	19	0.8	19	9	US-11-083-784-577355	Sequence 577355,
167	19	0.8	19	9	US-11-083-784-577356	Sequence 577356,
168	19	0.8	19	9	US-11-083-784-577357	Sequence 577357,
169	19	0.8	19	9	US-11-083-784-577358	Sequence 577358,
170	19	0.8	19	9	US-11-083-784-577359	Sequence 577359,
171	19	0.8	19	9	US-11-083-784-577360	Sequence 577360,
172	19	0.8	19	9	US-11-083-784-577361	Sequence 577361,
173	19	0.8	19	9	US-11-083-784-577362	Sequence 577362,
174	19	0.8	19	9	US-11-083-784-577363	Sequence 577363,
175	19	0.8	19	9	US-11-083-784-577364	Sequence 577364,
176	19	0.8	19	9	US-11-083-784-577365	Sequence 577365,
177	19	0.8	19	9	US-11-083-784-577366	Sequence 577366,
178	19	0.8	19	9	US-11-083-784-577367	Sequence 577367,
179	19	0.8	19	9	US-11-083-784-577368	Sequence 577368,
180	19	0.8	19	9	US-11-083-784-577369	Sequence 577369,
181	19	0.8	19	9	US-11-083-784-577370	Sequence 577370,
182	19	0.8	19	9	US-11-083-784-577371	Sequence 577371,
183	19	0.8	19	9	US-11-083-784-577372	Sequence 577372,
184	19	0.8	19	9	US-11-083-784-577373	Sequence 577373,
185	19	0.8	19	9	US-11-083-784-577374	Sequence 577374,
186	19	0.8	19	9	US-11-083-784-577375	Sequence 577375,
187	19	0.8	19	9	US-11-083-784-577376	Sequence 577376,
188	19	0.8	19	9	US-11-083-784-577377	Sequence 577377,
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193	19	0.8	19	9	US-11-083-784-577382	Sequence 577382,
194	19	0.8	19	9	US-11-083-784-577383	Sequence 577383,
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206	19	0.8	19	9	US-11-083-784-577395	Sequence 577395,
207	19	0.8	19	9	US-11-083-784-577396	Sequence 577396,
208	19	0.8	19	9	US-11-083-784-577397	Sequence 577397,
209	19	0.8	19	9	US-11-083-784-577398	Sequence 577398,
210	19	0.8	19	9	US-11-083-784-577399	Sequence 577399,
211	19	0.8	19	9	US-11-083-784-577400	Sequence 577400,
212	19	0.8	19	9	US-11-083-784-577401	Sequence 577401,
213	19	0.8	19	9	US-11-083-784-577402	Sequence 577402,
214	19	0.8	19	9	US-11-083-784-577403	Sequence 577403,
215	19	0.8	19	9	US-11-083-784-577404	Sequence 577404,
216	19	0.8	19	9	US-11-083-784-577405	Sequence 577405,
217	19	0.8	19	9	US-11-083-784-577406	Sequence 577406,
218	19	0.8	19	9	US-11-083-784-577407	Sequence 577407,
219	19	0.8	19	9	US-11-083-784-577408	Sequence 577408,
220	19	0.8	19	9	US-11-083-784-577409	Sequence 577409,
221	19	0.8	19	9	US-11-083-784-577410	Sequence 577410,
222	19	0.8	19	9	US-11-083-784-577411	Sequence 577411,
223	19	0.8	19	9	US-11-083-784-577412	Sequence 577412,
224	19	0.8	19	9	US-11-083-784-577413	Sequence 577413,
225	19	0.8	19	9	US-11-083-784-577414	Sequence 577414,
226	19	0.8	19	9	US-11-083-784-577415	Sequence 577415,
227	19	0.8	19	9	US-11-083-784-577416	Sequence 577416,
228	19	0.8	19	9	US-11-083-784-577417	Sequence 577417,
229	19	0.8	19	9	US-11-083-784-577418	Sequence 577418,
230	19	0.8	19	9	US-11-083-784-577419	Sequence 577419,
231	19	0.8	19	9	US-11-083-784-577420	Sequence 577420,
232	19	0.8	19	9	US-11-083-784-577421	Sequence 577421,
233	19	0.8	19	9	US-11-083-784-577422	Sequence 577422,
234	19	0.8	19	9	US-11-083-784-577423	Sequence 577423,
235	19	0.8	19	9	US-11-083-784-577424	Sequence 577424,
236	19	0.8	19	9	US-11-083-784-577425	Sequence 577425,
237	19	0.8	19	9	US-11-083-784-577426	Sequence 577426,
238	19	0.8	19	9	US-11-083-784-577427	Sequence 577427,
239	19	0.8	19	9	US-11-083-784-577428	Sequence 577428,
240	19	0.8	19	9	US-11-083-784-577429	Sequence 577429,
241	19	0.8	19	9	US-11-083-784-577430	Sequence 577430,
242	19	0.8	19	9	US-11-083-784-577431	Sequence 577431,

c 243	18	0.8	18	6	US-10-310-914A-313775	Sequence 313775,
c 244	18	0.8	18	6	US-10-310-914A-313784	Sequence 313784,
c 245	18	0.8	18	6	US-10-310-914A-313790	Sequence 313790,
c 246	18	0.8	18	6	US-10-310-914A-313794	Sequence 313794,
247	18	0.8	21	6	US-10-310-914A-499152	Sequence 499152,
248	18	0.8	24	6	US-10-310-914A-21948	Sequence 21948, A
249	18	0.8	24	6	US-10-310-914A-22733	Sequence 22733, A
250	18	0.8	24	6	US-10-310-914A-24534	Sequence 24534, A
251	18	0.8	24	6	US-10-310-914A-29780	Sequence 29780, A
252	18	0.8	24	6	US-10-310-914A-35351	Sequence 35351, A
253	18	0.8	24	6	US-10-310-914A-40965	Sequence 40965, A
254	18	0.8	24	6	US-10-310-914A-1367124	Sequence 1367124,
c 255	18	0.8	25	7	US-11-136-527-101952	Sequence 101952,
c 256	18	0.8	25	7	US-11-136-527-101953	Sequence 101953,
c 257	18	0.8	25	7	US-11-136-527-101988	Sequence 101988,
c 258	18	0.8	25	7	US-11-136-527-101989	Sequence 101989,
c 259	18	0.8	25	7	US-11-136-527-101990	Sequence 101990,
260	17	0.7	18	6	US-10-310-914A-319199	Sequence 319199,
261	17	0.7	19	8	US-11-101-244-1426461	Sequence 1426461,
262	17	0.7	19	9	US-11-083-784-1426461	Sequence 1426461,
263	17	0.7	20	6	US-10-310-914A-53738	Sequence 53738, A
264	17	0.7	21	6	US-10-310-914A-848017	Sequence 848017,
265	17	0.7	21	6	US-10-310-914A-1374052	Sequence 1374052,
266	17	0.7	22	6	US-10-310-914A-319266	Sequence 319266,
c 267	17	0.7	22	6	US-10-310-914A-743795	Sequence 743795,
c 268	17	0.7	22	6	US-10-310-914A-753053	Sequence 753053,
269	17	0.7	22	6	US-10-310-914A-848000	Sequence 848000,
270	17	0.7	23	6	US-10-310-914A-507224	Sequence 507224,
c 271	17	0.7	23	6	US-10-310-914A-743803	Sequence 743803,
c 272	17	0.7	23	6	US-10-310-914A-1185920	Sequence 1185920,
273	17	0.7	24	6	US-10-310-914A-418902	Sequence 418902,
c 274	17	0.7	24	6	US-10-310-914A-743860	Sequence 743860,
275	17	0.7	25	7	US-11-121-849-364775	Sequence 364775,
c 276	17	0.7	25	7	US-11-136-527-101991	Sequence 101991,
c 277	17	0.7	25	7	US-11-136-527-303604	Sequence 303604,
278	17	0.7	27	6	US-10-310-914A-666347	Sequence 666347,
c 279	16	0.7	18	6	US-10-310-914A-45517	Sequence 45517, A
c 280	16	0.7	18	6	US-10-310-914A-45518	Sequence 45518, A
281	16	0.7	18	6	US-10-310-914A-1238675	Sequence 1238675,
282	16	0.7	19	6	US-10-310-914A-225899	Sequence 225899,
283	16	0.7	19	6	US-10-310-914A-627089	Sequence 627089,
284	16	0.7	19	6	US-10-310-914A-848092	Sequence 848092,
285	16	0.7	19	6	US-10-310-914A-1104524	Sequence 1104524,
c 286	16	0.7	19	6	US-10-310-914A-1166731	Sequence 1166731,
287	16	0.7	19	6	US-10-310-914A-1175644	Sequence 1175644,
c 288	16	0.7	19	8	US-11-101-244-104989	Sequence 104989,
c 289	16	0.7	19	8	US-11-101-244-105035	Sequence 105035,
c 290	16	0.7	19	8	US-11-101-244-105039	Sequence 105039,
c 291	16	0.7	19	8	US-11-101-244-105148	Sequence 105148,
292	16	0.7	19	8	US-11-101-244-219158	Sequence 219158,
293	16	0.7	19	8	US-11-101-244-250856	Sequence 250856,
294	16	0.7	19	8	US-11-101-244-695540	Sequence 695540,
295	16	0.7	19	8	US-11-101-244-695643	Sequence 695643,
296	16	0.7	19	8	US-11-101-244-696893	Sequence 696893,
297	16	0.7	19	8	US-11-101-244-1084071	Sequence 1084071,
298	16	0.7	19	8	US-11-101-244-1084164	Sequence 1084164,
299	16	0.7	19	8	US-11-101-244-1223983	Sequence 1223983,
300	16	0.7	19	8	US-11-101-244-1326838	Sequence 1326838,
c 301	16	0.7	19	9	US-11-083-784-104989	Sequence 104989,
c 302	16	0.7	19	9	US-11-083-784-105035	Sequence 105035,
c 303	16	0.7	19	9	US-11-083-784-105039	Sequence 105039,
c 304	16	0.7	19	9	US-11-083-784-105148	Sequence 105148,
305	16	0.7	19	9	US-11-083-784-219158	Sequence 219158,
306	16	0.7	19	9	US-11-083-784-250856	Sequence 250856,
307	16	0.7	19	9	US-11-083-784-695540	Sequence 695540,
308	16	0.7	19	9	US-11-083-784-695643	Sequence 695643,
309	16	0.7	19	9	US-11-083-784-696893	Sequence 696893,
310	16	0.7	19	9	US-11-083-784-1084071	Sequence 1084071,
311	16	0.7	19	9	US-11-083-784-1084164	Sequence 1084164,
312	16	0.7	19	9	US-11-083-784-1223983	Sequence 1223983,
313	16	0.7	19	9	US-11-083-784-1326838	Sequence 1326838,
c 314	16	0.7	20	6	US-10-310-914A-413582	Sequence 413582,
315	16	0.7	20	6	US-10-310-914A-666308	Sequence 666308,
c 316	16	0.7	20	6	US-10-310-914A-1042754	Sequence 1042754,
317	16	0.7	20	6	US-10-310-914A-1279442	Sequence 1279442,
c 318	16	0.7	21	6	US-10-310-914A-170175	Sequence 170175,
c 319	16	0.7	21	6	US-10-310-914A-895635	Sequence 895635,
c 320	16	0.7	21	6	US-10-310-914A-1050830	Sequence 1050830,
321	16	0.7	21	6	US-10-310-914A-1097570	Sequence 1097570,
322	16	0.7	21	6	US-10-310-914A-1175651	Sequence 1175651,
c 323	16	0.7	22	6	US-10-310-914A-45564	Sequence 45564, A
c 324	16	0.7	22	6	US-10-310-914A-45565	Sequence 45565, A
325	16	0.7	23	6	US-10-528-031-37	Sequence 37, Appl
326	16	0.7	23	6	US-10-310-914A-108538	Sequence 108538,
c 327	16	0.7	23	6	US-10-310-914A-1280711	Sequence 1280711,
c 328	16	0.7	23	6	US-10-310-914A-1379195	Sequence 1379195,
c 329	16	0.7	24	6	US-10-310-914A-152054	Sequence 152054,
c 330	16	0.7	24	6	US-10-310-914A-760959	Sequence 760959,
c 331	16	0.7	24	6	US-10-310-914A-1050806	Sequence 1050806,
332	16	0.7	25	6	US-10-775-169-1289	Sequence 1289, Ap
333	16	0.7	25	6	US-10-310-914A-1104527	Sequence 1104527,
c 334	16	0.7	25	7	US-11-121-849-63025	Sequence 63025, A
c 335	16	0.7	25	7	US-11-121-849-153409	Sequence 153409,
c 336	16	0.7	25	7	US-11-121-849-329805	Sequence 329805,
c 337	16	0.7	25	7	US-11-121-849-555187	Sequence 555187,
338	16	0.7	25	7	US-11-136-527-40672	Sequence 40672, A
339	16	0.7	25	7	US-11-136-527-40673	Sequence 40673, A
c 340	16	0.7	25	7	US-11-136-527-231258	Sequence 231258,
341	16	0.7	25	7	US-11-136-527-234157	Sequence 234157,
342	16	0.7	25	7	US-11-136-527-234166	Sequence 234166,
343	16	0.7	25	7	US-11-136-527-234174	Sequence 234174,
344	16	0.7	25	7	US-11-136-527-234177	Sequence 234177,
345	16	0.7	26	6	US-10-310-914A-898048	Sequence 898048,
c 346	16	0.7	26	6	US-10-310-914A-1005534	Sequence 1005534,
347	16	0.7	26	6	US-10-310-914A-1238694	Sequence 1238694,
348	16	0.7	27	6	US-10-310-914A-47596	Sequence 47596, A
349	15	0.6	18	6	US-10-310-914A-173227	Sequence 173227,
c 350	15	0.6	18	6	US-10-310-914A-222090	Sequence 222090,
351	15	0.6	18	6	US-10-310-914A-228966	Sequence 228966,
352	15	0.6	18	6	US-10-310-914A-458758	Sequence 458758,
353	15	0.6	18	6	US-10-310-914A-507185	Sequence 507185,
354	15	0.6	18	6	US-10-310-914A-781989	Sequence 781989,
355	15	0.6	18	6	US-10-310-914A-964255	Sequence 964255,
356	15	0.6	18	6	US-10-310-914A-998961	Sequence 998961,
357	15	0.6	18	6	US-10-310-914A-998962	Sequence 998962,
358	15	0.6	19	6	US-10-923-476A-72	Sequence 72, Appl
c 359	15	0.6	19	6	US-10-923-476A-147	Sequence 147, App
c 360	15	0.6	19	6	US-10-310-914A-84143	Sequence 84143, A
361	15	0.6	19	6	US-10-310-914A-163725	Sequence 163725,
362	15	0.6	19	6	US-10-310-914A-208135	Sequence 208135,
363	15	0.6	19	6	US-10-310-914A-208136	Sequence 208136,
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365	15	0.6	19	6	US-10-310-914A-228951	Sequence 228951,
366	15	0.6	19	6	US-10-310-914A-228953	Sequence 228953,
c 367	15	0.6	19	6	US-10-310-914A-274398	Sequence 274398,
c 368	15	0.6	19	6	US-10-310-914A-290343	Sequence 290343,
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370	15	0.6	19	6	US-10-310-914A-458771	Sequence 458771,
371	15	0.6	19	6	US-10-310-914A-627167	Sequence 627167,
372	15	0.6	19	6	US-10-310-914A-747935	Sequence 747935,
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c 374	15	0.6	19	6	US-10-310-914A-890343	Sequence 890343,
375	15	0.6	19	6	US-10-310-914A-972913	Sequence 972913,
376	15	0.6	19	6	US-10-310-914A-998949	Sequence 998949,
377	15	0.6	19	6	US-10-310-914A-998950	Sequence 998950,
c 378	15	0.6	19	6	US-10-310-914A-1159610	Sequence 1159610,
379	15	0.6	19	6	US-10-310-914A-1181827	Sequence 1181827,
c 380	15	0.6	19	6	US-10-310-914A-1185812	Sequence 1185812,
c 381	15	0.6	19	8	US-11-101-244-16808	Sequence 16808, A
c 382	15	0.6	19	8	US-11-101-244-54415	Sequence 54415, A
c 383	15	0.6	19	8	US-11-101-244-54430	Sequence 54430, A
c 384	15	0.6	19	8	US-11-101-244-54535	Sequence 54535, A
c 385	15	0.6	19	8	US-11-101-244-54553	Sequence 54553, A
c 386	15	0.6	19	8	US-11-101-244-54620	Sequence 54620, A
c 387	15	0.6	19	8	US-11-101-244-54636	Sequence 54636, A
388	15	0.6	19	8	US-11-101-244-95887	Sequence 95887, A

c 389	15	0.6	19	8	US-11-101-244-97865	Sequence 97865, A
c 390	15	0.6	19	8	US-11-101-244-97866	Sequence 97866, A
c 391	15	0.6	19	8	US-11-101-244-155013	Sequence 155013,
392	15	0.6	19	8	US-11-101-244-185250	Sequence 185250,
393	15	0.6	19	8	US-11-101-244-219239	Sequence 219239,
394	15	0.6	19	8	US-11-101-244-226075	Sequence 226075,
395	15	0.6	19	8	US-11-101-244-250899	Sequence 250899,
396	15	0.6	19	8	US-11-101-244-258655	Sequence 258655,
397	15	0.6	19	8	US-11-101-244-337545	Sequence 337545,
398	15	0.6	19	8	US-11-101-244-415664	Sequence 415664,
399	15	0.6	19	8	US-11-101-244-415763	Sequence 415763,
400	15	0.6	19	8	US-11-101-244-415864	Sequence 415864,
401	15	0.6	19	8	US-11-101-244-464080	Sequence 464080,
402	15	0.6	19	8	US-11-101-244-464085	Sequence 464085,
c 403	15	0.6	19	8	US-11-101-244-464162	Sequence 464162,
c 404	15	0.6	19	8	US-11-101-244-501497	Sequence 501497,
c 405	15	0.6	19	8	US-11-101-244-558987	Sequence 558987,
406	15	0.6	19	8	US-11-101-244-560548	Sequence 560548,
407	15	0.6	19	8	US-11-101-244-637525	Sequence 637525,
c 408	15	0.6	19	8	US-11-101-244-683504	Sequence 683504,
409	15	0.6	19	8	US-11-101-244-814960	Sequence 814960,
c 410	15	0.6	19	8	US-11-101-244-850299	Sequence 850299,
c 411	15	0.6	19	8	US-11-101-244-850344	Sequence 850344,
c 412	15	0.6	19	8	US-11-101-244-874306	Sequence 874306,
413	15	0.6	19	8	US-11-101-244-879931	Sequence 879931,
414	15	0.6	19	8	US-11-101-244-896788	Sequence 896788,
415	15	0.6	19	8	US-11-101-244-1025748	Sequence 1025748,
416	15	0.6	19	8	US-11-101-244-1168720	Sequence 1168720,
417	15	0.6	19	8	US-11-101-244-1178493	Sequence 1178493,
c 418	15	0.6	19	8	US-11-101-244-1180226	Sequence 1180226,
419	15	0.6	19	8	US-11-101-244-1210728	Sequence 1210728,
c 420	15	0.6	19	8	US-11-101-244-1217996	Sequence 1217996,
c 421	15	0.6	19	8	US-11-101-244-1224276	Sequence 1224276,
422	15	0.6	19	8	US-11-101-244-1316218	Sequence 1316218,
c 423	15	0.6	19	8	US-11-101-244-1377012	Sequence 1377012,
c 424	15	0.6	19	8	US-11-101-244-1377029	Sequence 1377029,
c 425	15	0.6	19	8	US-11-101-244-1377032	Sequence 1377032,
c 426	15	0.6	19	8	US-11-101-244-1377048	Sequence 1377048,
c 427	15	0.6	19	8	US-11-101-244-1422897	Sequence 1422897,
c 428	15	0.6	19	8	US-11-101-244-1422905	Sequence 1422905,
429	15	0.6	19	8	US-11-101-244-1520163	Sequence 1520163,
430	15	0.6	19	8	US-11-101-244-1589946	Sequence 1589946,
431	15	0.6	19	8	US-11-101-244-1590049	Sequence 1590049,
c 432	15	0.6	19	9	US-11-083-784-16808	Sequence 16808, A
c 433	15	0.6	19	9	US-11-083-784-54415	Sequence 54415, A
c 434	15	0.6	19	9	US-11-083-784-54430	Sequence 54430, A
c 435	15	0.6	19	9	US-11-083-784-54535	Sequence 54535, A
c 436	15	0.6	19	9	US-11-083-784-54553	Sequence 54553, A
c 437	15	0.6	19	9	US-11-083-784-54620	Sequence 54620, A
c 438	15	0.6	19	9	US-11-083-784-54636	Sequence 54636, A
439	15	0.6	19	9	US-11-083-784-95887	Sequence 95887, A
c 440	15	0.6	19	9	US-11-083-784-97865	Sequence 97865, A
c 441	15	0.6	19	9	US-11-083-784-97866	Sequence 97866, A
c 442	15	0.6	19	9	US-11-083-784-155013	Sequence 155013,
443	15	0.6	19	9	US-11-083-784-185250	Sequence 185250,
444	15	0.6	19	9	US-11-083-784-219239	Sequence 219239,
445	15	0.6	19	9	US-11-083-784-226075	Sequence 226075,
446	15	0.6	19	9	US-11-083-784-250899	Sequence 250899,
447	15	0.6	19	9	US-11-083-784-258655	Sequence 258655,
448	15	0.6	19	9	US-11-083-784-337545	Sequence 337545,
449	15	0.6	19	9	US-11-083-784-415664	Sequence 415664,
450	15	0.6	19	9	US-11-083-784-415763	Sequence 415763,
451	15	0.6	19	9	US-11-083-784-415864	Sequence 415864,
452	15	0.6	19	9	US-11-083-784-464080	Sequence 464080,
453	15	0.6	19	9	US-11-083-784-464085	Sequence 464085,
c 454	15	0.6	19	9	US-11-083-784-464162	Sequence 464162,
c 455	15	0.6	19	9	US-11-083-784-501497	Sequence 501497,
c 456	15	0.6	19	9	US-11-083-784-558987	Sequence 558987,
457	15	0.6	19	9	US-11-083-784-560548	Sequence 560548,
458	15	0.6	19	9	US-11-083-784-637525	Sequence 637525,
c 459	15	0.6	19	9	US-11-083-784-683504	Sequence 683504,
460	15	0.6	19	9	US-11-083-784-814960	Sequence 814960,
c 461	15	0.6	19	9	US-11-083-784-850299	Sequence 850299,
c 462	15	0.6	19	9	US-11-083-784-850344	Sequence 850344,
c 463	15	0.6	19	9	US-11-083-784-874306	Sequence 874306,
464	15	0.6	19	9	US-11-083-784-879931	Sequence 879931,
465	15	0.6	19	9	US-11-083-784-896788	Sequence 896788,
466	15	0.6	19	9	US-11-083-784-1025748	Sequence 1025748,
467	15	0.6	19	9	US-11-083-784-1168720	Sequence 1168720,
468	15	0.6	19	9	US-11-083-784-1178493	Sequence 1178493,
c 469	15	0.6	19	9	US-11-083-784-1180226	Sequence 1180226,
470	15	0.6	19	9	US-11-083-784-1210728	Sequence 1210728,
c 471	15	0.6	19	9	US-11-083-784-1217996	Sequence 1217996,
c 472	15	0.6	19	9	US-11-083-784-1224276	Sequence 1224276,
473	15	0.6	19	9	US-11-083-784-1316218	Sequence 1316218,
c 474	15	0.6	19	9	US-11-083-784-1377012	Sequence 1377012,
c 475	15	0.6	19	9	US-11-083-784-1377029	Sequence 1377029,
c 476	15	0.6	19	9	US-11-083-784-1377032	Sequence 1377032,
c 477	15	0.6	19	9	US-11-083-784-1377048	Sequence 1377048,
c 478	15	0.6	19	9	US-11-083-784-1422897	Sequence 1422897,
c 479	15	0.6	19	9	US-11-083-784-1422905	Sequence 1422905,
480	15	0.6	19	9	US-11-083-784-1520163	Sequence 1520163,
481	15	0.6	19	9	US-11-083-784-1589946	Sequence 1589946,
482	15	0.6	19	9	US-11-083-784-1590049	Sequence 1590049,
c 483	15	0.6	20	6	US-10-310-914A-104387	Sequence 104387,
c 484	15	0.6	20	6	US-10-310-914A-109708	Sequence 109708,
c 485	15	0.6	20	6	US-10-310-914A-109709	Sequence 109709,
486	15	0.6	20	6	US-10-310-914A-173265	Sequence 173265,
487	15	0.6	20	6	US-10-310-914A-208137	Sequence 208137,
488	15	0.6	20	6	US-10-310-914A-316783	Sequence 316783,
489	15	0.6	20	6	US-10-310-914A-458754	Sequence 458754,
c 490	15	0.6	20	6	US-10-310-914A-657786	Sequence 657786,
491	15	0.6	20	6	US-10-310-914A-920453	Sequence 920453,
492	15	0.6	20	6	US-10-310-914A-973113	Sequence 973113,
c 493	15	0.6	20	6	US-10-310-914A-1159398	Sequence 1159398,
494	15	0.6	21	6	US-10-310-914A-53716	Sequence 53716, A
c 495	15	0.6	21	6	US-10-310-914A-108225	Sequence 108225,
496	15	0.6	21	6	US-10-310-914A-113472	Sequence 113472,
c 497	15	0.6	21	6	US-10-310-914A-226701	Sequence 226701,
498	15	0.6	21	6	US-10-310-914A-266829	Sequence 266829,
499	15	0.6	21	6	US-10-310-914A-367926	Sequence 367926,
c 500	15	0.6	21	6	US-10-310-914A-389827	Sequence 389827,
501	15	0.6	21	6	US-10-310-914A-549067	Sequence 549067,
502	15	0.6	21	6	US-10-310-914A-648006	Sequence 648006,
c 503	15	0.6	21	6	US-10-310-914A-657787	Sequence 657787,
504	15	0.6	21	6	US-10-310-914A-728297	Sequence 728297,
505	15	0.6	21	6	US-10-310-914A-920454	Sequence 920454,
c 506	15	0.6	21	6	US-10-310-914A-1093252	Sequence 1093252,
507	15	0.6	21	7	US-11-069-908-470	Sequence 470, App
508	15	0.6	21	7	US-11-069-908-2836	Sequence 2836, Ap
c 509	15	0.6	22	6	US-10-310-914A-74757	Sequence 74757, A
c 510	15	0.6	22	6	US-10-310-914A-228884	Sequence 228884,
511	15	0.6	22	6	US-10-310-914A-228947	Sequence 228947,
512	15	0.6	22	6	US-10-310-914A-274515	Sequence 274515,
c 513	15	0.6	22	6	US-10-310-914A-290280	Sequence 290280,
c 514	15	0.6	22	6	US-10-310-914A-338786	Sequence 338786,
c 515	15	0.6	22	6	US-10-310-914A-418954	Sequence 418954,
516	15	0.6	22	6	US-10-310-914A-549093	Sequence 549093,
c 517	15	0.6	22	6	US-10-310-914A-624642	Sequence 624642,
518	15	0.6	22	6	US-10-310-914A-624728	Sequence 624728,
c 519	15	0.6	22	6	US-10-310-914A-624746	Sequence 624746,
c 520	15	0.6	22	6	US-10-310-914A-671362	Sequence 671362,
521	15	0.6	22	6	US-10-310-914A-747916	Sequence 747916,
522	15	0.6	22	6	US-10-310-914A-764108	Sequence 764108,
523	15	0.6	22	6	US-10-310-914A-781779	Sequence 781779,
524	15	0.6	22	6	US-10-310-914A-964205	Sequence 964205,
525	15	0.6	22	6	US-10-310-914A-973114	Sequence 973114,
c 526	15	0.6	22	6	US-10-310-914A-1280653	Sequence 1280653,
527	15	0.6	22	6	US-10-310-914A-1303544	Sequence 1303544,
c 528	15	0.6	22	6	US-10-310-914A-1326896	Sequence 1326896,
c 529	15	0.6	22	6	US-10-310-914A-1332480	Sequence 1332480,
c 530	15	0.6	22	7	US-11-069-908-636	Sequence 636, App
c 531	15	0.6	22	7	US-11-069-908-3002	Sequence 3002, Ap
532	15	0.6	23	6	US-10-310-914A-71829	Sequence 71829, A
c 533	15	0.6	23	6	US-10-310-914A-74745	Sequence 74745, A
c 534	15	0.6	23	6	US-10-310-914A-138965	Sequence 138965,

	535	15	0.6	23	6	US-10-310-914A-173221	Sequence 173221,
	536	15	0.6	23	6	US-10-310-914A-200460	Sequence 200460,
	537	15	0.6	23	6	US-10-310-914A-364066	Sequence 364066,
	538	15	0.6	23	6	US-10-310-914A-379034	Sequence 379034,
	539	15	0.6	23	6	US-10-310-914A-379039	Sequence 379039,
	540	15	0.6	23	6	US-10-310-914A-518075	Sequence 518075,
c	541	15	0.6	23	6	US-10-310-914A-624735	Sequence 624735,
	542	15	0.6	23	6	US-10-310-914A-747112	Sequence 747112,
	543	15	0.6	23	6	US-10-310-914A-747917	Sequence 747917,
	544	15	0.6	23	6	US-10-310-914A-747920	Sequence 747920,
	545	15	0.6	23	6	US-10-310-914A-764008	Sequence 764008,
c	546	15	0.6	23	6	US-10-310-914A-936636	Sequence 936636,
	547	15	0.6	23	6	US-10-310-914A-1303555	Sequence 1303555,
	548	15	0.6	23	6	US-10-310-914A-1303587	Sequence 1303587,
c	549	15	0.6	23	6	US-10-310-914A-1312086	Sequence 1312086,
c	550	15	0.6	23	6	US-10-310-914A-1322366	Sequence 1322366,
c	551	15	0.6	23	6	US-10-310-914A-1326946	Sequence 1326946,
	552	15	0.6	24	6	US-10-310-914A-22600	Sequence 22600, A
	553	15	0.6	24	6	US-10-310-914A-27102	Sequence 27102, A
c	554	15	0.6	24	6	US-10-310-914A-32997	Sequence 32997, A
c	555	15	0.6	24	6	US-10-310-914A-127331	Sequence 127331,
	556	15	0.6	24	6	US-10-310-914A-209033	Sequence 209033,
	557	15	0.6	24	6	US-10-310-914A-209037	Sequence 209037,
c	558	15	0.6	24	6	US-10-310-914A-264460	Sequence 264460,
c	559	15	0.6	24	6	US-10-310-914A-274340	Sequence 274340,
c	560	15	0.6	24	6	US-10-310-914A-412747	Sequence 412747,
	561	15	0.6	24	6	US-10-310-914A-794919	Sequence 794919,
	562	15	0.6	24	6	US-10-310-914A-973072	Sequence 973072,
c	563	15	0.6	24	6	US-10-310-914A-1042775	Sequence 1042775,
c	564	15	0.6	24	6	US-10-310-914A-1312085	Sequence 1312085,
c	565	15	0.6	24	6	US-10-310-914A-1312092	Sequence 1312092,
c	566	15	0.6	24	6	US-10-310-914A-1322367	Sequence 1322367,
	567	15	0.6	24	6	US-10-310-914A-1327599	Sequence 1327599,
c	568	15	0.6	24	7	US-11-093-746A-8	Sequence 8, Appli
	569	15	0.6	25	7	US-11-121-849-5439	Sequence 5439, Ap
	570	15	0.6	25	7	US-11-121-849-9842	Sequence 9842, Ap
	571	15	0.6	25	7	US-11-121-849-17505	Sequence 17505, A
c	572	15	0.6	25	7	US-11-121-849-28292	Sequence 28292, A
c	573	15	0.6	25	7	US-11-121-849-52424	Sequence 52424, A
	574	15	0.6	25	7	US-11-121-849-75580	Sequence 75580, A
	575	15	0.6	25	7	US-11-121-849-79904	Sequence 79904, A
c	576	15	0.6	25	7	US-11-121-849-87162	Sequence 87162, A
c	577	15	0.6	25	7	US-11-121-849-124143	Sequence 124143,
	578	15	0.6	25	7	US-11-121-849-126586	Sequence 126586,
	579	15	0.6	25	7	US-11-121-849-126708	Sequence 126708,
	580	15	0.6	25	7	US-11-121-849-127840	Sequence 127840,
	581	15	0.6	25	7	US-11-121-849-171264	Sequence 171264,
c	582	15	0.6	25	7	US-11-121-849-196159	Sequence 196159,
c	583	15	0.6	25	7	US-11-121-849-210531	Sequence 210531,
c	584	15	0.6	25	7	US-11-121-849-217207	Sequence 217207,
	585	15	0.6	25	7	US-11-121-849-263591	Sequence 263591,
c	586	15	0.6	25	7	US-11-121-849-271582	Sequence 271582,
	587	15	0.6	25	7	US-11-121-849-315648	Sequence 315648,
	588	15	0.6	25	7	US-11-121-849-363520	Sequence 363520,
	589	15	0.6	25	7	US-11-121-849-373008	Sequence 373008,
	590	15	0.6	25	7	US-11-121-849-379688	Sequence 379688,
c	591	15	0.6	25	7	US-11-121-849-380646	Sequence 380646,
c	592	15	0.6	25	7	US-11-121-849-410275	Sequence 410275,
c	593	15	0.6	25	7	US-11-121-849-410276	Sequence 410276,
c	594	15	0.6	25	7	US-11-121-849-410277	Sequence 410277,
c	595	15	0.6	25	7	US-11-121-849-410278	Sequence 410278,
c	596	15	0.6	25	7	US-11-121-849-419337	Sequence 419337,
	597	15	0.6	25	7	US-11-121-849-487704	Sequence 487704,
c	598	15	0.6	25	7	US-11-121-849-505867	Sequence 505867,
	599	15	0.6	25	7	US-11-121-849-525029	Sequence 525029,
	600	15	0.6	25	7	US-11-121-849-525030	Sequence 525030,
	601	15	0.6	25	7	US-11-121-849-541728	Sequence 541728,
c	602	15	0.6	25	7	US-11-121-849-548005	Sequence 548005,
	603	15	0.6	25	7	US-11-121-849-556938	Sequence 556938,
	604	15	0.6	25	7	US-11-121-849-573613	Sequence 573613,
c	605	15	0.6	25	7	US-11-121-849-662816	Sequence 662816,
c	606	15	0.6	25	7	US-11-121-849-662817	Sequence 662817,
c	607	15	0.6	25	7	US-11-121-849-662818	Sequence 662818,
c	608	15	0.6	25	7	US-11-121-849-663251	Sequence 663251,
c	609	15	0.6	25	7	US-11-121-849-663252	Sequence 663252,
c	610	15	0.6	25	7	US-11-121-849-663253	Sequence 663253,
	611	15	0.6	25	7	US-11-136-527-40659	Sequence 40659, A
c	612	15	0.6	25	7	US-11-136-527-101992	Sequence 101992,
c	613	15	0.6	25	7	US-11-136-527-191783	Sequence 191783,
c	614	15	0.6	25	7	US-11-136-527-191791	Sequence 191791,
c	615	15	0.6	25	7	US-11-136-527-252605	Sequence 252605,
c	616	15	0.6	25	7	US-11-136-527-252610	Sequence 252610,
c	617	15	0.6	25	7	US-11-136-527-252611	Sequence 252611,
c	618	15	0.6	25	7	US-11-136-527-252614	Sequence 252614,
c	619	15	0.6	25	7	US-11-136-527-306502	Sequence 306502,
	620	15	0.6	25	7	US-11-136-527-313789	Sequence 313789,
	621	15	0.6	25	7	US-11-136-527-313795	Sequence 313795,
c	622	15	0.6	25	7	US-11-136-527-318564	Sequence 318564,
	623	15	0.6	25	7	US-11-136-527-357327	Sequence 357327,
c	624	15	0.6	26	6	US-10-310-914A-88191	Sequence 88191, A
	625	15	0.6	26	6	US-10-310-914A-122201	Sequence 122201,
	626	15	0.6	26	6	US-10-310-914A-209032	Sequence 209032,
	627	15	0.6	26	6	US-10-310-914A-251328	Sequence 251328,
	628	15	0.6	26	6	US-10-310-914A-326583	Sequence 326583,
	629	15	0.6	26	6	US-10-310-914A-980353	Sequence 980353,
	630	15	0.6	26	6	US-10-310-914A-1303547	Sequence 1303547,
c	631	15	0.6	26	6	US-10-453-372-1568	Sequence 1568, Ap
c	632	15	0.6	27	6	US-10-310-914A-228868	Sequence 228868,
	633	15	0.6	28	6	US-10-310-914A-1303558	Sequence 1303558,
	634	15	0.6	29	6	US-10-310-914A-378873	Sequence 378873,
c	635	15	0.6	29	6	US-10-310-914A-1185813	Sequence 1185813,
	636	15	0.6	30	6	US-10-857-780-2736	Sequence 2736, Ap
c	637	14	0.6	18	6	US-10-310-914A-74726	Sequence 74726, A
	638	14	0.6	18	6	US-10-310-914A-109649	Sequence 109649,
	639	14	0.6	18	6	US-10-310-914A-127572	Sequence 127572,
c	640	14	0.6	18	6	US-10-310-914A-138670	Sequence 138670,
c	641	14	0.6	18	6	US-10-310-914A-194005	Sequence 194005,
	642	14	0.6	18	6	US-10-310-914A-251971	Sequence 251971,
	643	14	0.6	18	6	US-10-310-914A-257049	Sequence 257049,
	644	14	0.6	18	6	US-10-310-914A-274466	Sequence 274466,
	645	14	0.6	18	6	US-10-310-914A-285319	Sequence 285319,
	646	14	0.6	18	6	US-10-310-914A-311197	Sequence 311197,
c	647	14	0.6	18	6	US-10-310-914A-316544	Sequence 316544,
c	648	14	0.6	18	6	US-10-310-914A-351662	Sequence 351662,
	649	14	0.6	18	6	US-10-310-914A-408479	Sequence 408479,
	650	14	0.6	18	6	US-10-310-914A-443242	Sequence 443242,
	651	14	0.6	18	6	US-10-310-914A-473255	Sequence 473255,
c	652	14	0.6	18	6	US-10-310-914A-532688	Sequence 532688,
c	653	14	0.6	18	6	US-10-310-914A-624616	Sequence 624616,
c	654	14	0.6	18	6	US-10-310-914A-657775	Sequence 657775,
	655	14	0.6	18	6	US-10-310-914A-659934	Sequence 659934,
	656	14	0.6	18	6	US-10-310-914A-680358	Sequence 680358,
	657	14	0.6	18	6	US-10-310-914A-690760	Sequence 690760,
c	658	14	0.6	18	6	US-10-310-914A-759737	Sequence 759737,
c	659	14	0.6	18	6	US-10-310-914A-808236	Sequence 808236,
c	660	14	0.6	18	6	US-10-310-914A-822194	Sequence 822194,
c	661	14	0.6	18	6	US-10-310-914A-830145	Sequence 830145,
c	662	14	0.6	18	6	US-10-310-914A-834773	Sequence 834773,
c	663	14	0.6	18	6	US-10-310-914A-922698	Sequence 922698,
	664	14	0.6	18	6	US-10-310-914A-958139	Sequence 958139,
	665	14	0.6	18	6	US-10-310-914A-983952	Sequence 983952,
	666	14	0.6	18	6	US-10-310-914A-991369	Sequence 991369,
	667	14	0.6	18	6	US-10-310-914A-1039223	Sequence 1039223,
c	668	14	0.6	18	6	US-10-310-914A-1114176	Sequence 1114176,
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	670	14	0.6	18	6	US-10-310-914A-1175556	Sequence 1175556,
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c	672	14	0.6	18	6	US-10-310-914A-1294189	Sequence 1294189,
	673	14	0.6	18	6	US-10-310-914A-1322791	Sequence 1322791,
	674	14	0.6	18	6	US-10-310-914A-1330471	Sequence 1330471,
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	676	14	0.6	18	6	US-10-310-914A-1367161	Sequence 1367161,
c	677	14	0.6	18	6	US-10-310-914A-1376270	Sequence 1376270,
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	680	14	0.6	19	6	US-10-310-914A-190213	Sequence 190213,

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682	14	0.6	19	6	US-10-310-914A-198758	Sequence 198758,
683	14	0.6	19	6	US-10-310-914A-213205	Sequence 213205,
684	14	0.6	19	6	US-10-310-914A-234492	Sequence 234492,
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c 686	14	0.6	19	6	US-10-310-914A-279293	Sequence 279293,
c 687	14	0.6	19	6	US-10-310-914A-279300	Sequence 279300,
c 688	14	0.6	19	6	US-10-310-914A-279301	Sequence 279301,
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691	14	0.6	19	6	US-10-310-914A-363528	Sequence 363528,
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693	14	0.6	19	6	US-10-310-914A-366066	Sequence 366066,
694	14	0.6	19	6	US-10-310-914A-366112	Sequence 366112,
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c 702	14	0.6	19	6	US-10-310-914A-521656	Sequence 521656,
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c 713	14	0.6	19	6	US-10-310-914A-827774	Sequence 827774,
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c 717	14	0.6	19	6	US-10-310-914A-922764	Sequence 922764,
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c 746	14	0.6	19	8	US-11-101-244-7330	Sequence 7330, Ap
c 747	14	0.6	19	8	US-11-101-244-7400	Sequence 7400, Ap
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	919	14	0.6	19	8	US-11-101-244-1276099	Sequence 1276099,
c	920	14	0.6	19	8	US-11-101-244-1285995	Sequence 1285995,
c	921	14	0.6	19	8	US-11-101-244-1294325	Sequence 1294325,
	922	14	0.6	19	8	US-11-101-244-1299051	Sequence 1299051,
	923	14	0.6	19	8	US-11-101-244-1309154	Sequence 1309154,
	924	14	0.6	19	8	US-11-101-244-1311431	Sequence 1311431,
c	925	14	0.6	19	8	US-11-101-244-1311963	Sequence 1311963,
	926	14	0.6	19	8	US-11-101-244-1314301	Sequence 1314301,
	927	14	0.6	19	8	US-11-101-244-1314326	Sequence 1314326,
	928	14	0.6	19	8	US-11-101-244-1317561	Sequence 1317561,
	929	14	0.6	19	8	US-11-101-244-1317562	Sequence 1317562,
c	930	14	0.6	19	8	US-11-101-244-1318988	Sequence 1318988,
c	931	14	0.6	19	8	US-11-101-244-1326229	Sequence 1326229,
	932	14	0.6	19	8	US-11-101-244-1326897	Sequence 1326897,
	933	14	0.6	19	8	US-11-101-244-1330115	Sequence 1330115,
	934	14	0.6	19	8	US-11-101-244-1339823	Sequence 1339823,
	935	14	0.6	19	8	US-11-101-244-1354349	Sequence 1354349,
c	936	14	0.6	19	8	US-11-101-244-1361298	Sequence 1361298,
c	937	14	0.6	19	8	US-11-101-244-1361395	Sequence 1361395,
	938	14	0.6	19	8	US-11-101-244-1377448	Sequence 1377448,
	939	14	0.6	19	8	US-11-101-244-1381056	Sequence 1381056,
	940	14	0.6	19	8	US-11-101-244-1386168	Sequence 1386168,
	941	14	0.6	19	8	US-11-101-244-1386268	Sequence 1386268,
	942	14	0.6	19	8	US-11-101-244-1386370	Sequence 1386370,
	943	14	0.6	19	8	US-11-101-244-1386470	Sequence 1386470,
c	944	14	0.6	19	8	US-11-101-244-1387041	Sequence 1387041,
c	945	14	0.6	19	8	US-11-101-244-1387068	Sequence 1387068,
	946	14	0.6	19	8	US-11-101-244-1390116	Sequence 1390116,
	947	14	0.6	19	8	US-11-101-244-1390179	Sequence 1390179,
	948	14	0.6	19	8	US-11-101-244-1396820	Sequence 1396820,
c	949	14	0.6	19	8	US-11-101-244-1402489	Sequence 1402489,
c	950	14	0.6	19	8	US-11-101-244-1402508	Sequence 1402508,
c	951	14	0.6	19	8	US-11-101-244-1402589	Sequence 1402589,
c	952	14	0.6	19	8	US-11-101-244-1402607	Sequence 1402607,
	953	14	0.6	19	8	US-11-101-244-1421030	Sequence 1421030,
c	954	14	0.6	19	8	US-11-101-244-1422900	Sequence 1422900,
	955	14	0.6	19	8	US-11-101-244-1426453	Sequence 1426453,
	956	14	0.6	19	8	US-11-101-244-1426466	Sequence 1426466,
c	957	14	0.6	19	8	US-11-101-244-1429300	Sequence 1429300,
	958	14	0.6	19	8	US-11-101-244-1441653	Sequence 1441653,
	959	14	0.6	19	8	US-11-101-244-1441669	Sequence 1441669,
	960	14	0.6	19	8	US-11-101-244-1443900	Sequence 1443900,
c	961	14	0.6	19	8	US-11-101-244-1451473	Sequence 1451473,
	962	14	0.6	19	8	US-11-101-244-1458622	Sequence 1458622,
c	963	14	0.6	19	8	US-11-101-244-1462431	Sequence 1462431,
c	964	14	0.6	19	8	US-11-101-244-1501622	Sequence 1501622,
	965	14	0.6	19	8	US-11-101-244-1502935	Sequence 1502935,
	966	14	0.6	19	8	US-11-101-244-1509117	Sequence 1509117,
c	967	14	0.6	19	8	US-11-101-244-1518888	Sequence 1518888,
c	968	14	0.6	19	8	US-11-101-244-1518947	Sequence 1518947,
	969	14	0.6	19	8	US-11-101-244-1556805	Sequence 1556805,
	970	14	0.6	19	8	US-11-101-244-1566789	Sequence 1566789,
c	971	14	0.6	19	8	US-11-101-244-1570255	Sequence 1570255,
	972	14	0.6	19	9	US-11-083-784-1870	Sequence 1870, Ap

c 973	14	0.6	19	9	US-11-083-784-7014	Sequence 7014, Ap
c 974	14	0.6	19	9	US-11-083-784-7098	Sequence 7098, Ap
c 975	14	0.6	19	9	US-11-083-784-7178	Sequence 7178, Ap
c 976	14	0.6	19	9	US-11-083-784-7256	Sequence 7256, Ap
c 977	14	0.6	19	9	US-11-083-784-7330	Sequence 7330, Ap
c 978	14	0.6	19	9	US-11-083-784-7400	Sequence 7400, Ap
c 979	14	0.6	19	9	US-11-083-784-7467	Sequence 7467, Ap
c 980	14	0.6	19	9	US-11-083-784-7538	Sequence 7538, Ap
c 981	14	0.6	19	9	US-11-083-784-7668	Sequence 7668, Ap
982	14	0.6	19	9	US-11-083-784-27605	Sequence 27605, A
983	14	0.6	19	9	US-11-083-784-27704	Sequence 27704, A
c 984	14	0.6	19	9	US-11-083-784-45823	Sequence 45823, A
985	14	0.6	19	9	US-11-083-784-53907	Sequence 53907, A
c 986	14	0.6	19	9	US-11-083-784-54443	Sequence 54443, A
c 987	14	0.6	19	9	US-11-083-784-54570	Sequence 54570, A
c 988	14	0.6	19	9	US-11-083-784-54651	Sequence 54651, A
989	14	0.6	19	9	US-11-083-784-58103	Sequence 58103, A
990	14	0.6	19	9	US-11-083-784-82642	Sequence 82642, A
991	14	0.6	19	9	US-11-083-784-82644	Sequence 82644, A
992	14	0.6	19	9	US-11-083-784-82688	Sequence 82688, A
993	14	0.6	19	9	US-11-083-784-82690	Sequence 82690, A
c 994	14	0.6	19	9	US-11-083-784-92934	Sequence 92934, A
995	14	0.6	19	9	US-11-083-784-96784	Sequence 96784, A
c 996	14	0.6	19	9	US-11-083-784-97584	Sequence 97584, A
997	14	0.6	19	9	US-11-083-784-100202	Sequence 100202,
998	14	0.6	19	9	US-11-083-784-100243	Sequence 100243,
999	14	0.6	19	9	US-11-083-784-100862	Sequence 100862,
1000	14	0.6	19	9	US-11-083-784-1509117	Sequence 1509117,

ALIGNMENTS

```
RESULT 1
US-10-310-914A-313804/c
; Sequence 313804, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313804
;   LENGTH: 28
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-313804

  Query Match             1.2%;  Score 28;  DB 6;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 0.00012;
  Matches   28;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2295 GAGGAAATAAAAAGGGAAGTGAGAAAAA 2322
             ||||||||||||||||||||||||||||||
Db         28 GAGGAAATAAAAAGGGAAGTGAGAAAAA 1


RESULT 2
US-10-310-914A-313800/c
; Sequence 313800, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313800
;   LENGTH: 27
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-313800

  Query Match             1.2%;  Score 27;  DB 6;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 0.00042;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1933 AAAAACGCCCCCTAAGTCAACGCTCCA 1959
             ||||||||||||||||||||||||||||
Db         27 AAAAACGCCCCCTAAGTCAACGCTCCA 1


RESULT 3
US-10-310-914A-313768/c
; Sequence 313768, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313768
;   LENGTH: 26
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-313768

  Query Match             1.1%;  Score 26;  DB 6;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 0.0014;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2256 GGCAGGTTCCCTCTCTGGTGCTGCTG 2281
             ||||||||||||||||||||||||||
Db         26 GGCAGGTTCCCTCTCTGGTGCTGCTG 1


RESULT 4
US-10-310-914A-313797/c
; Sequence 313797, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313797
;   LENGTH: 27
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-313797

  Query Match             1.1%;  Score 26;  DB 6;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 0.0014;
  Matches   26;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2156 GTGAGAAAAACACAGCCCTCCTTTCA 2181
             ||||||||||||||||||||||||||
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Db         26 GTGAGAAAAACACAGCCCTCCTTTCA 1


RESULT 5
US-10-310-914A-313755/c
; Sequence 313755, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313755
;   LENGTH: 25
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-313755

  Query Match             1.1%;  Score 25;  DB 6;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 GGGGCTGGAGGGGGGCAAGCGGGTT 27
              |||||||||||||||||||||||||
Db         25 GGGGCTGGAGGGGGGCAAGCGGGTT 1


RESULT 6
US-10-310-914A-313776/c
; Sequence 313776, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313776
;   LENGTH: 25
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-313776

  Query Match             1.1%;  Score 25;  DB 6;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2212 TCCTGGGTTAGGGGTTGGGGGTCGG 2236
              |||||||||||||||||||||||||
Db         25 TCCTGGGTTAGGGGTTGGGGGTCGG 1


RESULT 7
US-10-310-914A-313796/c
; Sequence 313796, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313796
;   LENGTH: 25
;   TYPE: RNA
;   ORGANISM: Human
US-10-310-914A-313796

  Query Match             1.1%;  Score 25;  DB 6;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1860 GGCCGTAGATTTATAAATACCAAGA 1884
              |||||||||||||||||||||||||
Db         25 GGCCGTAGATTTATAAATACCAAGA 1


RESULT 8
US-11-121-849-135610
; Sequence 135610, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135610
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135610

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1998 TTCTTCCTCCTTGGGTTGGAGGAGA 2022
              |||||||||||||||||||||||||
Db          1 TTCTTCCTCCTTGGGTTGGAGGAGA 25


RESULT 9
US-11-121-849-135611
; Sequence 135611, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135611
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135611

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2024 CAGGGTGCCTCTTATCTCCTTCTAG 2048
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              ||||||||||||||||||||||||
Db          1 CAGGGTGCCTCTTATCTCCTTCTAG 25


RESULT 10
US-11-121-849-135612
; Sequence 135612, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135612
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135612

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2035 TTATCTCCTTCTAGCGGTCTGCCTC 2059
              |||||||||||||||||||||||||
Db          1 TTATCTCCTTCTAGCGGTCTGCCTC 25


RESULT 11
US-11-121-849-135613
; Sequence 135613, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135613
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135613

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2050 GGTCTGCCTCCTGGTACCTCTTGGG 2074
              |||||||||||||||||||||||||
Db          1 GGTCTGCCTCCTGGTACCTCTTGGG 25


RESULT 12
US-11-121-849-135614
; Sequence 135614, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135614
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135614

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2075 GGGATCGGCAAACAGGCTACCCCTG 2099
              |||||||||||||||||||||||||
Db          1 GGGATCGGCAAACAGGCTACCCCTG 25


RESULT 13
US-11-121-849-135615
; Sequence 135615, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135615
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135615

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2085 AACAGGCTACCCCTGAGGTCCCATG 2109
              |||||||||||||||||||||||||
Db          1 AACAGGCTACCCCTGAGGTCCCATG 25


RESULT 14
US-11-121-849-135616
; Sequence 135616, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135616
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135616

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
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  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2098 TGAGGTCCCATGTGCCATGAGTGTG 2122
              |||||||||||||||||||||||||
Db          1 TGAGGTCCCATGTGCCATGAGTGTG 25


RESULT 15
US-11-121-849-135617
; Sequence 135617, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135617
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135617

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2109 GTGCCATGAGTGTGCACAACATGCA 2133
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Db          1 GTGCCATGAGTGTGCACAACATGCA 25


RESULT 16
US-11-121-849-135618
; Sequence 135618, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135618
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135618

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2122 GCACAACATGCAATGTGTCTGTGTA 2146
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Db          1 GCACAACATGCAATGTGTCTGTGTA 25


RESULT 17
US-11-121-849-135619
; Sequence 135619, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135619
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135619

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2160 GAAAAACACAGCCCTCCTTTCAGAA 2184
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Db          1 GAAAAACACAGCCCTCCTTTCAGAA 25


RESULT 18
US-11-121-849-135620
; Sequence 135620, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
;  APPLICANT: John Palma
;  TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded
;  TITLE OF INVENTION:  Microarrays
;  FILE REFERENCE: 3684.1
;  CURRENT APPLICATION NUMBER: US/11/121,849
;  CURRENT FILING DATE:  2005-05-03
;  PRIOR APPLICATION NUMBER: 60/567,949
;  PRIOR FILING DATE: 2004-05-03
;  NUMBER OF SEQ ID NOS: 673904
;  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 135620
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-11-121-849-135620

  Query Match             1.1%;  Score 25;  DB 7;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 0.005;
  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2250 CAGGAAGGCAGGTTCCCTCTCTGGT 2274
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Db          1 CAGGAAGGCAGGTTCCCTCTCTGGT 25


RESULT 19
US-10-310-914A-313763/c
; Sequence 313763, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
;  APPLICANT: Bentwich, Isaac
;  APPLICANT:  Shiler, Kvuzat
;  TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
;  TITLE OF INVENTION:  uses thereof
;  FILE REFERENCE: 06087.0200.CPUS01
;  CURRENT APPLICATION NUMBER: US/10/310,914A
;  CURRENT FILING DATE:  2002-12-06
;  NUMBER OF SEQ ID NOS: 1388402
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313763
;   LENGTH: 24
;   TYPE: RNA
;   ORGANISM: Human
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US-10-310-914A-313763

Query Match 1.0%; Score 24; DB 6; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          3 GGGGCTGGAGGGGGGCAAGCGGGT 26
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Db         24 GGGGCTGGAGGGGGGCAAGCGGGT 1
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RESULT 20
US-10-310-914A-313802/c
; Sequence 313802, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 313802
; LENGTH: 24
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-313802

Query Match 1.0%; Score 24; DB 6; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       2139 TCTGTGTATGTGTGAATGTGAGAA 2162
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Db         24 TCTGTGTATGTGTGAATGTGAGAA 1
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Search completed: January 13, 2006, 15:02:49
Job time : 426 secs

OM nucleic - nucleic search, using sw model

Run on: January 13, 2006, 07:31:21 ; Search time 9231 Seconds
(without alignments)
11789.270 Million cell updates/sec

Title: US-09-743-825-1
Perfect score: 2326
Sequence: 1 ccggggctggagggggcaa.....agggaagtgagaaaaaaaaa 2326

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 41078325 seqs, 23393541228 residues

Word size : 0

Total number of hits satisfying chosen parameters: 52094

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_est3:*
4: gb_htc:*
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6: gb_est5:*
7: gb_est6:*
8: gb_est7:*
9: gb_gss1:*
10: gb_gss2:*
11: gb_gss3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
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	4	15	0.6	27	9	AZ582229	AZ582229 1M0374B05
c	5	15	0.6	28	1	AW249512	AW249512 2821233.3
c	6	15	0.6	30	10	CZ909748	CZ909748 4018011C0
c	7	14	0.6	20	9	AZ808800	AZ808800 2M0072F01
c	8	14	0.6	23	9	AZ345454	AZ345454 1M0080J10
c	9	13	0.6	19	1	AJ647608	AJ647608 AJ647608
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c	11	13	0.6	20	10	AJ599954	AJ599954 Arabidops
c	12	13	0.6	21	1	AJ649792	AJ649792 AJ649792
c	13	13	0.6	21	9	AZ834857	AZ834857 2M0117H17
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	16	13	0.6	25	1	AI745099	AI745099 tr21a09.x
c	17	13	0.6	25	11	TA225C03Q	AL480476 T. brucei
c	18	13	0.6	26	9	AZ386258	AZ386258 1M0145E08
c	19	13	0.6	26	9	AZ831059	AZ831059 2M0110C11
c	20	13	0.6	26	10	CZ910031	CZ910031 4012001A0
	21	13	0.6	28	1	AI224617	AI224617 qw96g06.x
c	22	13	0.6	28	1	AI416220	AI416220 fb20a08.y
	23	13	0.6	28	1	AL037919	AL037919 DKFZp564M
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	25	13	0.6	29	9	AQ254876	AQ254876 EP(2)2583
	26	13	0.6	30	10	CZ487436	CZ487436 f04856-5p
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	28	12	0.5	19	1	AJ696991	AJ696991 AJ696991
c	29	12	0.5	19	1	AW063940	AW063940 DP0975 KR
	30	12	0.5	19	5	C00981	C00981 HUMGS000337
c	31	12	0.5	19	9	AZ839614	AZ839614 2M0135N16
	32	12	0.5	20	8	DR753702	DR753702 CCRAP6F07
	33	12	0.5	20	8	DR907660	DR907660 CCSEN02F0
	34	12	0.5	20	8	DR907713	DR907713 CCSEN02F0
	35	12	0.5	20	8	DR907726	DR907726 CCSEN02D1
	36	12	0.5	20	8	DR907793	DR907793 CCSEN03A0
	37	12	0.5	20	8	DR907856	DR907856 CCSEN04C0
	38	12	0.5	20	8	DR907918	DR907918 CCSEN05G0
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c	41	12	0.5	20	9	AZ398062	AZ398062 1M0163M14
c	42	12	0.5	20	9	AZ406839	AZ406839 1M0176C16
	43	12	0.5	21	9	AZ331570	AZ331570 1M0059N05
	44	12	0.5	21	9	AZ415089	AZ415089 1M0189G17
c	45	12	0.5	21	9	AZ843343	AZ843343 2M0142K10
c	46	12	0.5	22	1	AW246884	AW246884 2822626.3
	47	12	0.5	22	9	AZ341839	AZ341839 1M0074F01
c	48	12	0.5	22	9	AZ786587	AZ786587 2M0032J12
	49	12	0.5	22	9	AZ822991	AZ822991 2M0096C13
	50	12	0.5	22	9	AZ859666	AZ859666 2M0165C19
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	53	12	0.5	23	6	CF298297	CF298297 7LEAF--01
	54	12	0.5	23	9	AZ333226	AZ333226 1M0062P12
	55	12	0.5	23	9	AZ387830	AZ387830 1M0147F20
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	57	12	0.5	24	1	AB094440	AB094440 AB094440
c	58	12	0.5	24	1	AW246443	AW246443 2821537.3
c	59	12	0.5	24	1	AW249007	AW249007 2821036.5
c	60	12	0.5	24	9	AZ408805	AZ408805 1M0180B01
c	61	12	0.5	24	9	AZ437757	AZ437757 1M0226I06
c	62	12	0.5	24	9	AZ663812	AZ663812 1M0543F10
c	63	12	0.5	24	9	AZ817310	AZ817310 2M0086O16
c	64	12	0.5	24	10	CZ443007	CZ443007 IBB6B04.f
	65	12	0.5	24	10	CW020374	CW020374 GC0634 TI
	66	12	0.5	24	11	TA227G06P	AL480109 T. brucei
	67	12	0.5	25	1	AI394172	AI394172 tg60h07.x
	68	12	0.5	25	1	AI624946	AI624946 ts48c07.x
	69	12	0.5	25	1	AI633471	AI633471 th62d09.x
c	70	12	0.5	25	1	AI692641	AI692641 wd86c03.x
c	71	12	0.5	25	1	AJ728699	AJ728699 AJ728699
c	72	12	0.5	25	1	AA469268	AA469268 nc68a03.s
c	73	12	0.5	25	6	CF326989	CF326989 NACL--01-
c	74	12	0.5	25	8	CX013617	CX013617 io66c06.b
c	75	12	0.5	25	9	AZ339578	AZ339578 1M0071C09
c	76	12	0.5	25	9	AZ377955	AZ377955 1M0132F05
c	77	12	0.5	25	9	AZ613097	AZ613097 1M0441K18
	78	12	0.5	25	9	AZ766498	AZ766498 1M0564E08
	79	12	0.5	25	9	AZ979075	AZ979075 2M0255G08
c	80	12	0.5	25	9	BZ765856	BZ765856 SALK_1348
	81	12	0.5	25	10	CZ908154	CZ908154 4018002A0
	82	12	0.5	25	10	AG203193	AG203193 Pan trogl
	83	12	0.5	26	1	AJ747548	AJ747548 AJ747548
c	84	12	0.5	26	8	DR105424	DR105424 JHU088C06
c	85	12	0.5	26	9	AZ331583	AZ331583 1M0059A11
	86	12	0.5	26	9	AZ432981	AZ432981 1M0218D07
c	87	12	0.5	26	9	AZ488698	AZ488698 1M0319E08
	88	12	0.5	26	9	AZ996577	AZ996577 2M0282L16
c	89	12	0.5	26	9	BZ597044	BZ597044 SALK_0993
c	90	12	0.5	26	9	BZ597147	BZ597147 SALK_0994
	91	12	0.5	27	8	DR908015	DR908015 CCSEN06C0
c	92	12	0.5	27	8	N29432	N29432 yw86h10.s1
	93	12	0.5	27	9	AZ308535	AZ308535 1M0011B11
c	94	12	0.5	27	9	AZ335603	AZ335603 1M0065E13
	95	12	0.5	27	9	AZ406142	AZ406142 1M0175G15

	96	12	0.5	27	9	AZ473031	AZ473031 1M0288I12
	97	12	0.5	27	9	BZ664397	BZ664397 SALK_0709
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	99	12	0.5	28	1	AI472216	AI472216 tj81d12.x
	100	12	0.5	28	1	AI590364	AI590364 ts09e12.x
	101	12	0.5	28	1	AI623404	AI623404 ts35a07.x
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c	104	12	0.5	28	8	H22321	H22321 yl36d09.r1
c	105	12	0.5	28	8	R38968	R38968 yd07c08.s1
c	106	12	0.5	28	9	AZ378907	AZ378907 1M0133E23
c	107	12	0.5	28	9	AZ782046	AZ782046 2M0021N19
c	108	12	0.5	28	9	AZ949248	AZ949248 2M0212G08
	109	12	0.5	28	9	BZ383424	BZ383424 SALK_1339
	110	12	0.5	29	9	AZ323085	AZ323085 1M0044J02
c	111	12	0.5	29	9	AZ335504	AZ335504 1M0065C06
c	112	12	0.5	29	9	AZ810992	AZ810992 2M0076J22
	113	12	0.5	29	9	AZ866837	AZ866837 2M0177O21
	114	12	0.5	29	10	CZ908771	CZ908771 4018005E0
	115	12	0.5	29	10	CG711811	CG711811 1119022H0
c	116	12	0.5	30	1	AA852599	AA852599 NHTBCae14
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	118	12	0.5	30	1	AL048684	AL048684 DKFZp566C
	119	12	0.5	30	1	AL048732	AL048732 DKFZp566I
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c	122	12	0.5	30	9	AZ458713	AZ458713 1M0263L02
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	124	12	0.5	30	9	AZ640238	AZ640238 1M0502H10
	125	12	0.5	30	9	AZ840293	AZ840293 2M0136H17
	126	12	0.5	30	9	AZ958796	AZ958796 2M0226C14
	127	12	0.5	30	9	CC795425	CC795425 SALK_0807
	128	12	0.5	30	10	CZ442930	CZ442930 IBB3H04.f
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	131	12	0.5	30	11	TA164F03Q	AL473159 T. brucei
	132	11	0.5	14	8	DN987001	DN987001 MSU_28F_2
	133	11	0.5	14	8	DN987173	DN987173 MSU_2F_2-
c	134	11	0.5	15	10	CL423865	CL423865 01S0750-0
c	135	11	0.5	16	1	AW250981	AW250981 2822267.3
	136	11	0.5	16	8	DN987076	DN987076 MSU_2R_2-
c	137	11	0.5	17	6	CF299997	CF299997 7LEAF--04
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c	139	11	0.5	18	6	CF300456	CF300456 7LEAF--04
c	140	11	0.5	18	6	CF301359	CF301359 7LEAF--06
	141	11	0.5	18	6	CF312453	CF312453 ABF--08-D
c	142	11	0.5	18	6	CF329285	CF329285 NACL--04-
c	143	11	0.5	19	1	AA909236	AA909236 o108a11.s
	144	11	0.5	19	1	AA977115	AA977115 oq24c08.s
c	145	11	0.5	19	1	AI476315	AI476315 ta15c09.x
c	146	11	0.5	19	1	AJ666284	AJ666284
	147	11	0.5	19	1	AW059909	AW059909 AHuTH.bss
c	148	11	0.5	19	1	AW248167	AW248167 2819811.5
	149	11	0.5	19	6	CF298023	CF298023 7LEAF--01
	150	11	0.5	19	6	CF298134	CF298134 7LEAF--01
	151	11	0.5	19	6	CF317235	CF317235 HD--06-N1
	152	11	0.5	19	6	CF326845	CF326845 NACL--01-
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	154	11	0.5	19	7	CO777507	CO777507 BL001A_H0
	155	11	0.5	19	7	CO791279	CO791279 NT012A_A0
	156	11	0.5	19	8	CV998328	CV998328 iv46f09.b
	157	11	0.5	19	9	AZ360314	AZ360314 1M0103G03
	158	11	0.5	19	9	AZ480415	AZ480415 1M0301K24
	159	11	0.5	19	9	AZ493833	AZ493833 1M0328P11
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c	161	11	0.5	19	9	AZ643528	AZ643528 1M0507H05
	162	11	0.5	19	9	AZ766086	AZ766086 1M0563G19
	163	11	0.5	19	9	AZ777470	AZ777470 2M0011H21
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	165	11	0.5	19	9	AZ825396	AZ825396 2M0100N04
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c	170	11	0.5	20	6	CF300961	CF300961 7LEAF--05
c	171	11	0.5	20	6	CF301101	CF301101 7LEAF--05
	172	11	0.5	20	7	CN751725	CN751725 ApHL3SD-X
	173	11	0.5	20	7	CN820202	CN820202 HRO4412_D
	174	11	0.5	20	8	DR073483	DR073483 ik86b11.g
	175	11	0.5	20	9	AZ305034	AZ305034 1M0005N11
	176	11	0.5	20	9	AZ308068	AZ308068 1M0010N08
c	177	11	0.5	20	9	AZ343730	AZ343730 1M0077E20
	178	11	0.5	20	9	AZ346143	AZ346143 1M0081P11
c	179	11	0.5	20	9	AZ387870	AZ387870 1M0147O19
	180	11	0.5	20	9	AZ452265	AZ452265 1M0252H06
c	181	11	0.5	20	9	AZ482011	AZ482011 1M0306G17
c	182	11	0.5	20	9	AZ498694	AZ498694 1M0336B08
c	183	11	0.5	20	9	AZ615402	AZ615402 1M0444A16
c	184	11	0.5	20	9	AZ645312	AZ645312 1M0510K11
c	185	11	0.5	20	9	AZ783028	AZ783028 2M0024E20
c	186	11	0.5	20	9	AZ789903	AZ789903 2M0038F15
c	187	11	0.5	20	9	AZ818067	AZ818067 2M0087E20
	188	11	0.5	20	9	AZ819520	AZ819520 2M0091N07
c	189	11	0.5	20	9	AZ991405	AZ991405 2M0275O04
c	190	11	0.5	20	10	AJ590062	AJ590062 Arabidops
	191	11	0.5	20	10	CL681335	CL681335 PRI0130d_
c	192	11	0.5	21	1	AU254546	AU254546 AU254546
c	193	11	0.5	21	6	CF306088	CF306088 HDA1--02-
c	194	11	0.5	21	8	D42275	D42275 D42275 Rice
	195	11	0.5	21	9	AZ303734	AZ303734 1M0003O21
c	196	11	0.5	21	9	AZ308773	AZ308773 1M0012B09
c	197	11	0.5	21	9	AZ317208	AZ317208 1M0035J02
c	198	11	0.5	21	9	AZ345939	AZ345939 1M0080M19
c	199	11	0.5	21	9	AZ435931	AZ435931 1M0223L15
c	200	11	0.5	21	9	AZ594960	AZ594960 1M0407E16
c	201	11	0.5	21	9	AZ610576	AZ610576 1M0435L24
	202	11	0.5	21	9	AZ666660	AZ666660 1M0548O21
c	203	11	0.5	21	9	AZ782494	AZ782494 2M0022I23
	204	11	0.5	21	9	AZ794033	AZ794033 2M0047D12
	205	11	0.5	21	9	AZ992164	AZ992164 2M0276O11
c	206	11	0.5	21	10	AG189140	AG189140 Pan trogl
c	207	11	0.5	21	10	CL670342	CL670342 PRI0161d_
	208	11	0.5	21	11	TA223G12Q	AL480787 T. brucei
	209	11	0.5	22	1	AA994648	AA994648 ou18c10.s
c	210	11	0.5	22	1	AI082484	AI082484 os71h04.x
c	211	11	0.5	22	1	AI158768	AI158768 ud34g12.r
	212	11	0.5	22	1	AI224088	AI224088 qx13d05.x
	213	11	0.5	22	1	AI608652	AI608652 tw17h05.x
	214	11	0.5	22	1	AI688321	AI688321 wc94b11.x
	215	11	0.5	22	1	AL038464	AL038464 DKFZp566B
c	216	11	0.5	22	1	AW246467	AW246467 2821789.3
c	217	11	0.5	22	5	BQ593106	BQ593106 S013409-0
c	218	11	0.5	22	6	CF300339	CF300339 7LEAF--04
	219	11	0.5	22	6	CF302435	CF302435 7LEAF--07
c	220	11	0.5	22	8	CX013113	CX013113 io63d05.b
	221	11	0.5	22	9	AZ479083	AZ479083 1M0299F03
	222	11	0.5	22	9	AZ500581	AZ500581 1M0339G06
	223	11	0.5	22	9	AZ621531	AZ621531 1M0454K17
	224	11	0.5	22	9	AZ666649	AZ666649 1M0548M19
	225	11	0.5	22	9	AZ781736	AZ781736 2M0021K14
	226	11	0.5	22	9	AZ787102	AZ787102 2M0033B03
	227	11	0.5	22	9	AZ834632	AZ834632 2M0117L23
c	228	11	0.5	22	11	TA28D01Q	AL453252 T. brucei
	229	11	0.5	22	11	TA303G05P	AL497383 T. brucei
	230	11	0.5	23	1	AU255370	AU255370 AU255370
c	231	11	0.5	23	5	BQ590647	BQ590647 S015086-0
c	232	11	0.5	23	5	BX560037	BX560037 BX560037
c	233	11	0.5	23	6	CF279593	CF279593 14ETL--05
c	234	11	0.5	23	6	CF297907	CF297907 7LEAF--01
c	235	11	0.5	23	6	CF302134	CF302134 7LEAF--07
c	236	11	0.5	23	6	CF313297	CF313297 HD--01-G0
c	237	11	0.5	23	8	DN987163	DN987163 MSU_2R_2-
c	238	11	0.5	23	9	AZ330727	AZ330727 1M0056B07
	239	11	0.5	23	9	AZ368764	AZ368764 1M0119C04
c	240	11	0.5	23	9	AZ486853	AZ486853 1M0315M14
c	241	11	0.5	23	9	AZ629942	AZ629942 1M0483F13

c 242	11	0.5	23	9	AZ645254	AZ645254 1M0510O05	
c 243	11	0.5	23	9	AZ763749	AZ763749 1M0559B19	
c 244	11	0.5	23	9	AZ783377	AZ783377 2M0025I04	
245	11	0.5	23	9	AZ834215	AZ834215 2M0116M15	
c 246	11	0.5	23	9	AZ844618	AZ844618 2M0144M03	
247	11	0.5	23	9	AZ974350	AZ974350 2M0248G20	
248	11	0.5	23	9	BH846974	BH846974 SALK_0122	
249	11	0.5	23	10	CZ442850	CZ442850 IBB2B7.fw	
250	11	0.5	23	10	AG194875	AG194875 Pan trogl	
c 251	11	0.5	23	10	AJ591934	AJ591934 Arabidops	
c 252	11	0.5	23	10	AJ600290	AJ600290 Arabidops	
253	11	0.5	23	11	TA36D05P	AL453646 T. brucei	
254	11	0.5	24	1	AJ649702	AJ649702 AJ649702	
c 255	11	0.5	24	1	AJ689637	AJ689637 AJ689637	
256	11	0.5	24	1	AU257964	AU257964 AU257964	
257	11	0.5	24	3	BM397719	BM397719 5009-0-36	
c 258	11	0.5	24	6	CF281313	CF281313 14ETL--08	
259	11	0.5	24	6	CF302616	CF302616 7LEAF--08	
c 260	11	0.5	24	6	CF302616	CF302616 7LEAF--08	
c 261	11	0.5	24	9	AZ309564	AZ309564 1M0016E09	
c 262	11	0.5	24	9	AZ346816	AZ346816 1M0082B16	
263	11	0.5	24	9	AZ366164	AZ366164 1M0115H20	
264	11	0.5	24	9	AZ474236	AZ474236 1M0290J07	
c 265	11	0.5	24	9	AZ478673	AZ478673 1M0298J20	
c 266	11	0.5	24	9	AZ626101	AZ626101 1M0466J07	
267	11	0.5	24	9	AZ762011	AZ762011 1M0556H09	
268	11	0.5	24	9	AZ807089	AZ807089 2M0069O03	
269	11	0.5	24	9	AZ812591	AZ812591 2M0079D21	
270	11	0.5	24	9	AZ841235	AZ841235 2M0139C11	
c 271	11	0.5	24	9	AZ960477	AZ960477 2M0228J04	
c 272	11	0.5	24	9	BH790181	BH790181 SALK_0565	
273	11	0.5	24	9	BH791102	BH791102 SALK_0587	
c 274	11	0.5	24	10	AG201478	AG201478 Pan trogl	
275	11	0.5	24	10	AG201866	AG201866 Pan trogl	
c 276	11	0.5	24	10	AG202182	AG202182 Pan trogl	
277	11	0.5	24	10	AJ587625	AJ587625 Arabidops	
c 278	11	0.5	24	10	CL676551	CL676551 PRI0118d_	
279	11	0.5	24	11	TA114H08P	AL462619 T. brucei	
c 280	11	0.5	25	1	AA931670	AA931670 oo32b01.s	
281	11	0.5	25	1	AI471126	AI471126 tf90e05.x	
282	11	0.5	25	1	AU259074	AU259074 AU259074	
c 283	11	0.5	25	3	BM397256	BM397256 5009-0-30	
c 284	11	0.5	25	3	BM398307	BM398307 5009-0-43	
c 285	11	0.5	25	3	BM398324	BM398324 5009-0-44	
c 286	11	0.5	25	3	BM398713	BM398713 5009-0-49	
c 287	11	0.5	25	8	DN954740	DN954740 it77c05.g	
c 288	11	0.5	25	8	H96935	H96935 yu01d01.r1	
289	11	0.5	25	9	AZ329925	AZ329925 1M0054N14	
c 290	11	0.5	25	9	AZ364381	AZ364381 1M0110A08	
c 291	11	0.5	25	9	AZ377071	AZ377071 1M0131A16	
292	11	0.5	25	9	AZ404078	AZ404078 1M0172J07	
c 293	11	0.5	25	9	AZ424958	AZ424958 1M0204L17	
294	11	0.5	25	9	AZ460726	AZ460726 1M0266O10	
295	11	0.5	25	9	AZ496986	AZ496986 1M0333H09	
296	11	0.5	25	9	AZ515233	AZ515233 1M0054N14	
297	11	0.5	25	9	AZ599533	AZ599533 1M0414N20	
c 298	11	0.5	25	9	AZ611662	AZ611662 1M0438E10	
c 299	11	0.5	25	9	AZ789087	AZ789087 2M0036C07	
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301	11	0.5	25	9	AZ944762	AZ944762 2M0205N19	
302	11	0.5	25	9	BH791706	BH791706 SALK_0609	
303	11	0.5	25	9	BH812013	BH812013 SALK_0609	
304	11	0.5	25	9	BZ596723	BZ596723 SALK_0958	
c 305	11	0.5	25	9	BZ765670	BZ765670 SALK_1333	
306	11	0.5	25	9	CC060376	CC060376 EY05060-3	
307	11	0.5	25	9	CC887498	CC887498 SALK_1502	
c 308	11	0.5	25	10	CZ485783	CZ485783 f03237-5p	
309	11	0.5	25	10	CZ489366	CZ489366 f06657-5p	
c 310	11	0.5	25	10	AG193956	AG193956 Pan trogl	
c 311	11	0.5	25	10	CG727695	CG727695 1119096A1	
312	11	0.5	25	10	CL657591	CL657591 PRI012a_A	
313	11	0.5	25	11	TA350D04P	AL493751 T. brucei	
314	11	0.5	26	1	AJ804257	AJ804257 AJ804257	
315	11	0.5	26	1	AU014124	AU014124 AU014124	
c 316	11	0.5	26	3	BM396181	BM396181 5009-0-18	
c 317	11	0.5	26	3	BM396652	BM396652 5009-0-23	
c 318	11	0.5	26	3	BM398383	BM398383 5009-0-44	
c 319	11	0.5	26	3	BM398721	BM398721 5009-0-49	
320	11	0.5	26	6	CD744988	CD744988 RB4_H08_R	
c 321	11	0.5	26	6	CF302323	CF302323 7LEAF--07	
322	11	0.5	26	7	CR546444	CR546444 DKFZp459P	
323	11	0.5	26	8	D18737	D18737 MUSGS01799	
324	11	0.5	26	9	AZ309024	AZ309024 1M0012H07	
325	11	0.5	26	9	AZ329680	AZ329680 1M0054C02	
326	11	0.5	26	9	AZ339951	AZ339951 1M0071I11	
c 327	11	0.5	26	9	AZ360188	AZ360188 1M0103O04	
328	11	0.5	26	9	AZ377014	AZ377014 1M0131F08	
329	11	0.5	26	9	AZ448464	AZ448464 1M0246J08	
c 330	11	0.5	26	9	AZ479681	AZ479681 1M0300G02	
331	11	0.5	26	9	AZ514988	AZ514988 1M0054C02	
c 332	11	0.5	26	9	AZ635695	AZ635695 1M0493G18	
c 333	11	0.5	26	9	AZ770000	AZ770000 1M0571C18	
334	11	0.5	26	9	AZ787221	AZ787221 2M0033L08	
335	11	0.5	26	9	AZ828616	AZ828616 2M0105O07	
c 336	11	0.5	26	9	BZ593276	BZ593276 SALK_0683	
337	11	0.5	26	9	BZ665566	BZ665566 EY01849-5	
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c 340	11	0.5	26	10	CZ917641	CZ917641 4021006D1	
341	11	0.5	26	10	AG190196	AG190196 Pan trogl	
c 342	11	0.5	26	10	AG201580	AG201580 Pan trogl	
c 343	11	0.5	26	10	CG732288	CG732288 1119147C0	
344	11	0.5	26	11	TA128F12P	AL464373 T. brucei	
345	11	0.5	26	11	TA171C11P	AL473354 T. brucei	
346	11	0.5	27	1	AJ747882	AJ747882 AJ747882	
c 347	11	0.5	27	1	AL037884	AL037884 DKFZp564K	
348	11	0.5	27	1	AL930306	AL930306 AL930306	
c 349	11	0.5	27	1	AW248062	AW248062 2820118.3	
c 350	11	0.5	27	1	AW250467	AW250467 2822354.3	
c 351	11	0.5	27	6	CF278366	CF278366 14ETL--04	
c 352	11	0.5	27	6	CF298133	CF298133 7LEAF--01	
353	11	0.5	27	6	CF319828	CF319828 HD--10-H1	
c 354	11	0.5	27	6	CF325420	CF325420 JMT1--03-	
c 355	11	0.5	27	8	D18733	D18733 MUSGS01795	
356	11	0.5	27	9	AQ074123	AQ074123 EP(2)0959	
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358	11	0.5	27	9	AZ476237	AZ476237 1M0294A23	
c 359	11	0.5	27	9	AZ511058	AZ511058 1M0355K20	
c 360	11	0.5	27	9	AZ778941	AZ778941 2M0014E09	
c 361	11	0.5	27	9	AZ793374	AZ793374 2M0046N05	
362	11	0.5	27	9	AZ794257	AZ794257 2M0047O20	
c 363	11	0.5	27	9	AZ794828	AZ794828 2M0048H18	
364	11	0.5	27	9	AZ810485	AZ810485 2M0076H05	
365	11	0.5	27	9	AZ823699	AZ823699 2M0097G23	
c 366	11	0.5	27	9	AZ863023	AZ863023 2M0171B02	
367	11	0.5	27	9	AZ876196	AZ876196 2M0191A12	
368	11	0.5	27	9	AZ990987	AZ990987 2M0274O19	
369	11	0.5	27	9	BH910914	BH910914 SALK_0631	
c 370	11	0.5	27	9	BZ352541	BZ352541 SALK_0809	
c 371	11	0.5	27	9	BZ382404	BZ382404 SALK_1182	
372	11	0.5	27	9	CC794422	CC794422 SALK_0486	
373	11	0.5	27	9	CC794424	CC794424 SALK_0486	
c 374	11	0.5	27	10	CZ473980	CZ473980 d04529-5p	
375	11	0.5	27	10	CZ474656	CZ474656 d05678-3p	
376	11	0.5	27	10	CZ908520	CZ908520 4018003G0	
c 377	11	0.5	27	10	CZ918264	CZ918264 4021008F1	
c 378	11	0.5	27	10	CZ919822	CZ919822 4021014H1	
379	11	0.5	27	10	CG712589	CG712589 1119027F0	
380	11	0.5	27	10	CG728389	CG728389 1119100B0	
c 381	11	0.5	27	10	CL654516	CL654516 PRI0120d_	
382	11	0.5	28	1	AA860299	AA860299 aj22g12.s	
c 383	11	0.5	28	1	AA916534	AA916534 on64g01.s	
384	11	0.5	28	1	AA960907	AA960907 on92c04.s	
c 385	11	0.5	28	1	AA990156	AA990156 ua60d03.r	
c 386	11	0.5	28	1	AI461340	AI461340 fb43c10.x	
c 387	11	0.5	28	1	AI569493	AI569493 tn87g04.x	

388	11	0.5	28	1	AI573848	AI573848 uj17a12.x
389	11	0.5	28	1	AI697335	AI697335 tq18a01.x
390	11	0.5	28	1	AI810171	AI810171 wf80e06.x
391	11	0.5	28	1	AL585313	AL585313 AL585313
392	11	0.5	28	1	AA234762	AA234762 zs36g07.r
c 393	11	0.5	28	1	AA568352	AA568352 nl88a08.s
c 394	11	0.5	28	2	BG673330	BG673330 DRNBSF09
c 395	11	0.5	28	5	BQ582726	BQ582726 E012280-0
c 396	11	0.5	28	6	CF277114	CF277114 14ETL--02
c 397	11	0.5	28	6	CF307749	CF307749 ABF--01-E
c 398	11	0.5	28	6	CF319548	CF319548 HD--10-B1
399	11	0.5	28	6	CF543210	CF543210 S014679-0
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c 401	11	0.5	28	8	W92724	W92724 zd92a07.s1
c 402	11	0.5	28	9	AZ352539	AZ352539 1M0090J21
403	11	0.5	28	9	AZ366396	AZ366396 1M0115C10
404	11	0.5	28	9	AZ393417	AZ393417 1M0156A01
405	11	0.5	28	9	AZ427495	AZ427495 1M0209A06
406	11	0.5	28	9	AZ461659	AZ461659 1M0267D11
c 407	11	0.5	28	9	AZ514352	AZ514352 1M0360F06
c 408	11	0.5	28	9	AZ629883	AZ629883 1M0483H09
409	11	0.5	28	9	AZ632301	AZ632301 1M0486C23
c 410	11	0.5	28	9	AZ632301	AZ632301 1M0486C23
411	11	0.5	28	9	AZ643955	AZ643955 1M0507M11
412	11	0.5	28	9	AZ782057	AZ782057 2M0021P24
c 413	11	0.5	28	9	AZ803177	AZ803177 2M0063K21
c 414	11	0.5	28	9	AZ836072	AZ836072 2M0130K08
415	11	0.5	28	9	AZ850027	AZ850027 2M0151P09
c 416	11	0.5	28	9	AZ853595	AZ853595 2M0156D23
417	11	0.5	28	9	AZ869547	AZ869547 2M0181O07
418	11	0.5	28	9	AZ940571	AZ940571 2M0200D06
c 419	11	0.5	28	9	AZ940571	AZ940571 2M0200D06
420	11	0.5	28	9	AZ961930	AZ961930 2M0230L03
421	11	0.5	28	10	CZ916890	CZ916890 4021003D0
422	11	0.5	28	10	AJ587345	AJ587345 Arabidops
c 423	11	0.5	28	10	AJ596158	AJ596158 Arabidops
424	11	0.5	28	10	CG710232	CG710232 1119016E1
425	11	0.5	28	10	CG717142	CG717142 1119047B0
426	11	0.5	28	11	TA146D10P	AL474370 T. brucei
c 427	11	0.5	28	11	TA75G02Q	AL458626 T. brucei
c 428	11	0.5	29	1	AL037400	AL037400 DKFZp564K
c 429	11	0.5	29	1	AU010846	AU010846 AU010846
c 430	11	0.5	29	1	AU010908	AU010908 AU010908
431	11	0.5	29	1	AU263888	AU263888 AU263888
c 432	11	0.5	29	6	CA797153	CA797153 Cac_BL_42
433	11	0.5	29	6	CD532572	CD532572 27PI4 Ara
434	11	0.5	29	6	CF281394	CF281394 14ETL--08
435	11	0.5	29	6	CF302487	CF302487 7LEAF--08
c 436	11	0.5	29	6	CF328988	CF328988 NACL--04-
c 437	11	0.5	29	7	CN545957	CN545957 EST 17904
c 438	11	0.5	29	8	DN955450	DN955450 it87h12.g
c 439	11	0.5	29	8	DR072912	DR072912 ik79b03.g
440	11	0.5	29	8	DR073498	DR073498 ik80c04.g
c 441	11	0.5	29	9	AZ360788	AZ360788 1M0104M12
442	11	0.5	29	9	AZ380056	AZ380056 1M0135H01
c 443	11	0.5	29	9	AZ435208	AZ435208 1M0222I06
c 444	11	0.5	29	9	AZ435610	AZ435610 1M0222C14
445	11	0.5	29	9	AZ447253	AZ447253 1M0244N24
c 446	11	0.5	29	9	AZ456064	AZ456064 1M0258N11
447	11	0.5	29	9	AZ476258	AZ476258 1M0294F22
c 448	11	0.5	29	9	AZ476258	AZ476258 1M0294F22
449	11	0.5	29	9	AZ487268	AZ487268 1M0316G18
c 450	11	0.5	29	9	AZ579541	AZ579541 1M0367I08
451	11	0.5	29	9	AZ592563	AZ592563 1M0403L06
452	11	0.5	29	9	AZ633359	AZ633359 1M0488K02
453	11	0.5	29	9	AZ642468	AZ642468 1M0505F04
c 454	11	0.5	29	9	AZ767274	AZ767274 1M0566B24
c 455	11	0.5	29	9	AZ774255	AZ774255 2M0003L24
456	11	0.5	29	9	AZ790063	AZ790063 2M0038B24
457	11	0.5	29	9	AZ803607	AZ803607 2M0064A10
c 458	11	0.5	29	9	AZ806533	AZ806533 2M0068H09
459	11	0.5	29	9	AZ983252	AZ983252 2M0264A22
c 460	11	0.5	29	9	BH911930	BH911930 KG05912b-
461	11	0.5	29	9	BZ355151	BZ355151 SALK_1264
c 462	11	0.5	29	9	BZ355151	BZ355151 SALK_1264
c 463	11	0.5	29	9	BZ356508	BZ356508 SALK_1292
464	11	0.5	29	9	BZ593569	BZ593569 SALK_0740
c 465	11	0.5	29	9	BZ593569	BZ593569 SALK_0740
466	11	0.5	29	9	BZ597218	BZ597218 SALK_1005
c 467	11	0.5	29	9	BZ597218	BZ597218 SALK_1005
468	11	0.5	29	9	BZ770812	BZ770812 SALK_1437
c 469	11	0.5	29	9	CC457108	CC457108 SALK_1065
c 470	11	0.5	29	9	CC796943	CC796943 SALK_1442
471	11	0.5	29	10	CZ171125	CZ171125 MIAA-5K22
472	11	0.5	29	10	CZ442828	CZ442828 IBB1F8.fw
c 473	11	0.5	29	10	CZ443037	CZ443037 IBB6H08.f
c 474	11	0.5	29	10	CZ474108	CZ474108 d04746-5p
475	11	0.5	29	10	CZ475439	CZ475439 d06940-5p
c 476	11	0.5	29	10	AJ596137	AJ596137 Arabidops
c 477	11	0.5	29	10	AJ597868	AJ597868 Arabidops
478	11	0.5	29	10	AJ600188	AJ600188 Arabidops
479	11	0.5	29	10	CG720669	CG720669 1119063D0
480	11	0.5	29	10	CL657998	CL657998 PRI0130a_
481	11	0.5	29	11	DME546334	AJ546334 Drosophil
482	11	0.5	29	11	TA252H11Q	AL482644 T. brucei
c 483	11	0.5	29	11	TA6H12Q	AL451765 T. brucei
c 484	11	0.5	29	11	TA74E04P	AL457641 T. brucei
485	11	0.5	30	1	AL038672	AL038672 DKFZp566J
c 486	11	0.5	30	1	AL042847	AL042847 DKFZp434G
487	11	0.5	30	1	AU251318	AU251318 AU251318
488	11	0.5	30	1	AW246132	AW246132 2821168.5
489	11	0.5	30	1	AW251024	AW251024 2821201.3
490	11	0.5	30	2	BG287505	BG287505 602384515
c 491	11	0.5	30	2	BE727754	BE727754 601564575
c 492	11	0.5	30	3	BM398771	BM398771 5009-0-5-
c 493	11	0.5	30	3	BM399411	BM399411 5009-0-57
c 494	11	0.5	30	5	BX556196	BX556196 BX556196
c 495	11	0.5	30	6	CA587447	CA587447 LBE12p52
c 496	11	0.5	30	6	CF302271	CF302271 7LEAF--07
c 497	11	0.5	30	6	CF331804	CF331804 NACL--08-
c 498	11	0.5	30	6	CF333289	CF333289 JMT--02-C
c 499	11	0.5	30	7	CO781367	CO781367 BL012B_A0
c 500	11	0.5	30	7	CO786831	CO786831 BL287B_H0
501	11	0.5	30	8	CV845470	CV845470 ID0AEE12B
502	11	0.5	30	8	CV933425	CV933425 PMrpcm_07
c 503	11	0.5	30	8	DR107593	DR107593 JHU142H11
504	11	0.5	30	9	AZ327043	AZ327043 1M0050M11
505	11	0.5	30	9	AZ408639	AZ408639 1M0179I23
506	11	0.5	30	9	AZ475134	AZ475134 1M0293A14
c 507	11	0.5	30	9	AZ579506	AZ579506 1M0367E06
c 508	11	0.5	30	9	AZ604126	AZ604126 1M0423O13
c 509	11	0.5	30	9	AZ780802	AZ780802 2M0018F24
c 510	11	0.5	30	9	BH610073	BH610073 KG00557-5
511	11	0.5	30	9	BH854506	BH854506 KG01921-3
c 512	11	0.5	30	9	BZ352498	BZ352498 SALK_0807
513	11	0.5	30	9	CC053943	CC053943 SALK_0508
514	11	0.5	30	9	CC053945	CC053945 SALK_0508
c 515	11	0.5	30	10	CZ442831	CZ442831 IBB1G2.fw
516	11	0.5	30	10	CZ443022	CZ443022 IBB6E08.f
517	11	0.5	30	10	CZ469012	CZ469012 c04136-5p
518	11	0.5	30	10	CZ470876	CZ470876 c06633-5p
c 519	11	0.5	30	10	CZ472547	CZ472547 d01980-3p
c 520	11	0.5	30	10	CZ473743	CZ473743 d04124-3p
c 521	11	0.5	30	10	CZ473996	CZ473996 d04557-5p
c 522	11	0.5	30	10	CZ476227	CZ476227 d08425-5p
c 523	11	0.5	30	10	CZ476239	CZ476239 d08453-5p
524	11	0.5	30	10	CZ476247	CZ476247 d08467-3p
c 525	11	0.5	30	10	CZ476316	CZ476316 d08592-3p
c 526	11	0.5	30	10	CZ477413	CZ477413 d10744-5p
527	11	0.5	30	10	CZ477728	CZ477728 d11445-5p
528	11	0.5	30	10	CZ483339	CZ483339 f00858-3p
c 529	11	0.5	30	10	CZ484532	CZ484532 f02035-5p
530	11	0.5	30	10	CZ489382	CZ489382 f06669-5p
c 531	11	0.5	30	10	CZ916228	CZ916228 4013015E0
532	11	0.5	30	10	CZ917310	CZ917310 4021005B0
c 533	11	0.5	30	10	AG195132	AG195132 Pan trogl

c 534	11	0.5	30	10	AJ589015	AJ589015 Arabidops
c 535	11	0.5	30	10	AJ597723	AJ597723 Arabidops
536	11	0.5	30	10	BX662165	BX662165 Arabidops
c 537	11	0.5	30	10	CL659611	CL659611 PRI0134c_
538	11	0.5	30	11	DR31A15T	AL987581 Danio rer
539	11	0.5	30	11	TA119G10Q	AL463276 T. brucei
540	11	0.5	30	11	TA217A02Q	AL478965 T. brucei
541	11	0.5	30	11	TA240F05P	AL481612 T. brucei
542	10	0.4	11	3	BM395228	BM395228 50072-2-8
c 543	10	0.4	12	5	BQ594229	BQ594229 E012757-0
544	10	0.4	13	1	AI338340	AI338340 qq96f10.x
545	10	0.4	13	1	AJ647906	AJ647906 AJ647906
546	10	0.4	13	3	BM395395	BM395395 50072-2-8
547	10	0.4	13	7	CN749468	CN749468 ApAL3SD-X
c 548	10	0.4	13	10	AJ597088	AJ597088 Arabidops
c 549	10	0.4	13	10	AJ597106	AJ597106 Arabidops
550	10	0.4	14	1	AJ655566	AJ655566 AJ655566
c 551	10	0.4	14	5	BQ590450	BQ590450 E012839-0
c 552	10	0.4	14	6	CF330198	CF330198 NACL--05-
553	10	0.4	14	8	DN988472	DN988472 ZEBRA_28F
554	10	0.4	14	10	AJ593068	AJ593068 Arabidops
555	10	0.4	14	10	AJ598479	AJ598479 Arabidops
c 556	10	0.4	15	1	AW249689	AW249689 2819706.3
c 557	10	0.4	15	1	AW250976	AW250976 2822229.3
558	10	0.4	15	8	CX002571	CX002571 iv32e11.g
c 559	10	0.4	15	10	AJ592951	AJ592951 Arabidops
c 560	10	0.4	15	10	AJ592952	AJ592952 Arabidops
c 561	10	0.4	15	10	AJ596116	AJ596116 Arabidops
562	10	0.4	15	10	CL423648	CL423648 01S0726-0
563	10	0.4	16	1	AI094839	AI094839 qa22c08.x
564	10	0.4	16	6	CF291803	CF291803 14ROOT--0
c 565	10	0.4	16	7	CK255349	CK255349 EST738986
566	10	0.4	16	10	AJ587352	AJ587352 Arabidops
c 567	10	0.4	16	10	AJ587896	AJ587896 Arabidops
c 568	10	0.4	16	10	AJ592112	AJ592112 Arabidops
c 569	10	0.4	16	10	AJ595160	AJ595160 Arabidops
c 570	10	0.4	17	1	AW246518	AW246518 2821785.3
571	10	0.4	17	1	AW247673	AW247673 2820207.5
c 572	10	0.4	17	1	AW248779	AW248779 2821015.3
c 573	10	0.4	17	5	BQ584792	BQ584792 E011673-0
574	10	0.4	17	5	BQ591885	BQ591885 E012580-0
c 575	10	0.4	17	6	CF302447	CF302447 7LEAF--07
c 576	10	0.4	17	6	CF313013	CF313013 ABF--08-P
577	10	0.4	17	8	DN986605	DN986605 MSU_2F_2-
578	10	0.4	17	10	AJ589287	AJ589287 Arabidops
579	10	0.4	18	1	AJ725745	AJ725745 AJ725745
c 580	10	0.4	18	1	AW247875	AW247875 2820433.3
c 581	10	0.4	18	1	AW249853	AW249853 2821520.3
c 582	10	0.4	18	1	AW250449	AW250449 2822458.3
583	10	0.4	18	3	BM395302	BM395302 50072-2-8
c 584	10	0.4	18	3	BM658677	BM658677 LZV602768
c 585	10	0.4	18	6	CF301057	CF301057 7LEAF--05
586	10	0.4	18	7	CR555236	CR555236 DKFZp468N
587	10	0.4	18	10	CL696108	CL696108 PRI018a_G
c 588	10	0.4	19	1	AI033338	AI033338 ox02d04.s
589	10	0.4	19	1	AI476315	AI476315 ta15c09.x
c 590	10	0.4	19	1	AI569191	AI569191 tr83f12.x
591	10	0.4	19	1	AI688430	AI688430 wc89e09.x
592	10	0.4	19	1	AJ666296	AJ666296 AJ666296
c 593	10	0.4	19	1	AJ747498	AJ747498 AJ747498
c 594	10	0.4	19	1	AW246477	AW246477 2821873.3
c 595	10	0.4	19	1	AW246513	AW246513 2821739.3
c 596	10	0.4	19	1	AW249615	AW249615 2821398.3
597	10	0.4	19	6	CA794263	CA794263 Cac_BL_12
c 598	10	0.4	19	6	CB412817	CB412817 ScaE_1202
c 599	10	0.4	19	6	CF280788	CF280788 14ETL--07
c 600	10	0.4	19	6	CF305417	CF305417 CLD1--01-
c 601	10	0.4	19	6	CF310821	CF310821 ABF--05-L
602	10	0.4	19	6	CF311668	CF311668 ABF--07-A
603	10	0.4	19	6	CF316655	CF316655 HD--06-A1
c 604	10	0.4	19	6	CF332005	CF332005 NACL--08-
c 605	10	0.4	19	6	CF337272	CF337272 JMT--07-K
606	10	0.4	19	6	CF337608	CF337608 JMT--08-C
607	10	0.4	19	7	CN750859	CN750859 ApDT-XXVI
c 608	10	0.4	19	8	CX012806	CX012806 io61f04.b
c 609	10	0.4	19	8	DN955346	DN955346 it86c08.g
610	10	0.4	19	8	DN955504	DN955504 it88g06.g
611	10	0.4	19	8	DR074151	DR074151 ik99h04.g
612	10	0.4	19	9	AZ312945	AZ312945 1M0029P03
c 613	10	0.4	19	9	AZ314143	AZ314143 1M0030K16
614	10	0.4	19	9	AZ323612	AZ323612 1M0045F08
615	10	0.4	19	9	AZ335137	AZ335137 1M0064P16
c 616	10	0.4	19	9	AZ339847	AZ339847 1M0071C06
617	10	0.4	19	9	AZ345941	AZ345941 1M0080M21
618	10	0.4	19	9	AZ424757	AZ424757 1M0204G02
619	10	0.4	19	9	AZ445563	AZ445563 1M0241P18
c 620	10	0.4	19	9	AZ460812	AZ460812 1M0266A21
621	10	0.4	19	9	AZ480905	AZ480905 1M0302N22
c 622	10	0.4	19	9	AZ510122	AZ510122 1M0354K20
c 623	10	0.4	19	9	AZ514571	AZ514571 1M0361O11
c 624	10	0.4	19	9	AZ593103	AZ593103 1M0404N24
c 625	10	0.4	19	9	AZ604234	AZ604234 1M0425C04
c 626	10	0.4	19	9	AZ608537	AZ608537 1M0432N14
c 627	10	0.4	19	9	AZ611602	AZ611602 1M0438G03
c 628	10	0.4	19	9	AZ623663	AZ623663 1M0461E07
c 629	10	0.4	19	9	AZ645841	AZ645841 1M0511G04
c 630	10	0.4	19	9	AZ659603	AZ659603 1M0537N06
c 631	10	0.4	19	9	AZ759607	AZ759607 1M0552I23
632	10	0.4	19	9	AZ765310	AZ765310 1M0562M12
c 633	10	0.4	19	9	AZ771560	AZ771560 1M0574A03
c 634	10	0.4	19	9	AZ796963	AZ796963 2M0052K24
635	10	0.4	19	9	AZ807609	AZ807609 2M0070M03
636	10	0.4	19	9	AZ810717	AZ810717 2M0076N24
637	10	0.4	19	9	AZ819339	AZ819339 2M0089I19
638	10	0.4	19	9	AZ819577	AZ819577 2M0091H18
c 639	10	0.4	19	9	AZ827164	AZ827164 2M0103M22
640	10	0.4	19	9	AZ853220	AZ853220 2M0156J15
c 641	10	0.4	19	9	AZ856873	AZ856873 2M0161O19
642	10	0.4	19	9	AZ949057	AZ949057 2M0212A20
643	10	0.4	19	9	AZ950028	AZ950028 2M0213L19
644	10	0.4	19	9	AZ962226	AZ962226 2M0231A02
645	10	0.4	19	9	AZ990851	AZ990851 2M0274E15
646	10	0.4	19	9	AZ995149	AZ995149 2M0280D22
647	10	0.4	19	10	CL670097	CL670097 PRI0161a_
648	10	0.4	19	10	CL681299	CL681299 PRI0130d_
c 649	10	0.4	19	10	CL688118	CL688118 PRI0148c_
c 650	10	0.4	20	1	AJ666275	AJ666275 AJ666275
c 651	10	0.4	20	1	AJ666323	AJ666323 AJ666323
c 652	10	0.4	20	1	AJ692521	AJ692521 AJ692521
c 653	10	0.4	20	1	AU254453	AU254453 AU254453
c 654	10	0.4	20	1	AU256704	AU256704 AU256704
655	10	0.4	20	3	BM400174	BM400174 5009-0-68
c 656	10	0.4	20	5	BX558127	BX558127 BX558127
c 657	10	0.4	20	6	CA853586	CA853586 B09H12.se
658	10	0.4	20	6	CD533611	CD533611 32L6 Arab
659	10	0.4	20	6	CF280828	CF280828 14ETL--07
c 660	10	0.4	20	6	CF296226	CF296226 30DGS--06
c 661	10	0.4	20	6	CF301771	CF301771 7LEAF--06
c 662	10	0.4	20	6	CF322590	CF322590 HDN--01-I
663	10	0.4	20	6	CF331733	CF331733 NACL--07-
664	10	0.4	20	6	CF339806	CF339806 RCL1--05-
c 665	10	0.4	20	6	CF340627	CF340627 RCL1--08-
c 666	10	0.4	20	7	CN756517	CN756517 ID0AAA18D
c 667	10	0.4	20	8	CV999744	CV999744 iv52h06.g
c 668	10	0.4	20	8	DN987248	DN987248 MSU_28F_2
669	10	0.4	20	8	DR061489	DR061489 ip99b08.g
c 670	10	0.4	20	9	AZ308068	AZ308068 1M0010N08
671	10	0.4	20	9	AZ308311	AZ308311 1M0011J12
c 672	10	0.4	20	9	AZ309672	AZ309672 1M0016O24
c 673	10	0.4	20	9	AZ316351	AZ316351 1M0034A11
674	10	0.4	20	9	AZ317019	AZ317019 1M0035P14
c 675	10	0.4	20	9	AZ333215	AZ333215 1M0062N09
c 676	10	0.4	20	9	AZ337307	AZ337307 1M0067K23
677	10	0.4	20	9	AZ346702	AZ346702 1M0082L01
c 678	10	0.4	20	9	AZ359918	AZ359918 1M0103A01
c 679	10	0.4	20	9	AZ370699	AZ370699 1M0121N17

680	10	0.4	20	9	AZ387870	AZ387870 1M0147O19
681	10	0.4	20	9	AZ390214	AZ390214 1M0151O21
c 682	10	0.4	20	9	AZ427350	AZ427350 1M0209F17
683	10	0.4	20	9	AZ427740	AZ427740 1M0209J23
c 684	10	0.4	20	9	AZ435787	AZ435787 1M0223G02
c 685	10	0.4	20	9	AZ445379	AZ445379 1M0241E07
686	10	0.4	20	9	AZ455752	AZ455752 1M0258F17
c 687	10	0.4	20	9	AZ469217	AZ469217 1M0282A08
c 688	10	0.4	20	9	AZ479732	AZ479732 1M0300A09
689	10	0.4	20	9	AZ482011	AZ482011 1M0306G17
690	10	0.4	20	9	AZ482421	AZ482421 1M0307P01
691	10	0.4	20	9	AZ489135	AZ489135 1M0319H15
c 692	10	0.4	20	9	AZ489135	AZ489135 1M0319H15
693	10	0.4	20	9	AZ584232	AZ584232 1M0388A12
694	10	0.4	20	9	AZ592714	AZ592714 1M0403P13
695	10	0.4	20	9	AZ633741	AZ633741 1M0489G12
696	10	0.4	20	9	AZ638704	AZ638704 1M0498E13
697	10	0.4	20	9	AZ642891	AZ642891 1M0506D12
698	10	0.4	20	9	AZ662792	AZ662792 1M0542P02
699	10	0.4	20	9	AZ662909	AZ662909 1M0542G17
c 700	10	0.4	20	9	AZ770021	AZ770021 1M0571J16
701	10	0.4	20	9	AZ770749	AZ770749 1M0572B01
c 702	10	0.4	20	9	AZ784073	AZ784073 2M0026B06
c 703	10	0.4	20	9	AZ796123	AZ796123 2M0051O04
c 704	10	0.4	20	9	AZ802218	AZ802218 2M0060J19
c 705	10	0.4	20	9	AZ803595	AZ803595 2M0064O04
c 706	10	0.4	20	9	AZ808291	AZ808291 2M0071D09
707	10	0.4	20	9	AZ818055	AZ818055 2M0087B23
708	10	0.4	20	9	AZ832404	AZ832404 2M0112J16
709	10	0.4	20	9	AZ832946	AZ832946 2M0113M11
c 710	10	0.4	20	9	AZ848317	AZ848317 2M0149L16
711	10	0.4	20	9	AZ938837	AZ938837 2M0197L06
712	10	0.4	20	9	AZ943013	AZ943013 2M0203C01
713	10	0.4	20	9	AZ959504	AZ959504 2M0227N12
c 714	10	0.4	20	9	AZ992141	AZ992141 2M0276K11
715	10	0.4	20	10	AG201573	AG201573 Pan trogl
c 716	10	0.4	20	10	AG202281	AG202281 Pan trogl
c 717	10	0.4	20	10	AJ597717	AJ597717 Arabidops
c 718	10	0.4	20	10	CL668627	CL668627 PRI0158b_
c 719	10	0.4	20	10	CL670575	CL670575 PRI0162c_
c 720	10	0.4	20	10	CL680297	CL680297 PRI0128c_
c 721	10	0.4	20	11	TA158A03P	AL472050 T. brucei
722	10	0.4	21	1	AJ663325	AJ663325 AJ663325
c 723	10	0.4	21	1	AJ668099	AJ668099 AJ668099
c 724	10	0.4	21	1	AJ747550	AJ747550 AJ747550
725	10	0.4	21	1	AL038627	AL038627 DKFZp566H
726	10	0.4	21	1	AU255698	AU255698 AU255698
c 727	10	0.4	21	1	AW246804	AW246804 2822280.3
c 728	10	0.4	21	1	AW248836	AW248836 2821108.3
729	10	0.4	21	5	BX558801	BX558801 BX558801
c 730	10	0.4	21	6	CD534087	CD534087 35I3 Arab
c 731	10	0.4	21	6	CF276638	CF276638 14ETL--01
732	10	0.4	21	6	CF279674	CF279674 14ETL--06
733	10	0.4	21	6	CF282068	CF282068 14ETL--09
734	10	0.4	21	6	CF297513	CF297513 30DGS--08
735	10	0.4	21	6	CF310649	CF310649 ABF--05-G
c 736	10	0.4	21	6	CF319122	CF319122 HD--09-I0
c 737	10	0.4	21	6	CF324789	CF324789 JMT1--01-
738	10	0.4	21	6	CF326433	CF326433 JMT1--06-
c 739	10	0.4	21	6	CF338234	CF338234 RCL1--01-
740	10	0.4	21	7	CN752399	CN752399 ApHL3SD-X
c 741	10	0.4	21	7	CO786387	CO786387 BL286A_H0
c 742	10	0.4	21	8	CX002713	CX002713 iv33d04.g
c 743	10	0.4	21	8	DN955603	DN955603 it91b09.g
744	10	0.4	21	8	DN955830	DN955830 it94h07.g
c 745	10	0.4	21	8	DR065210	DR065210 ip91f09.g
746	10	0.4	21	9	AZ307601	AZ307601 1M0009C16
c 747	10	0.4	21	9	AZ308559	AZ308559 1M0011J09
748	10	0.4	21	9	AZ309344	AZ309344 1M0013A20
749	10	0.4	21	9	AZ309723	AZ309723 1M0016H05
c 750	10	0.4	21	9	AZ309774	AZ309774 1M0017F01
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	854	10	0.4	22	9	AZ471736	AZ471736 1M0286I12
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	866	10	0.4	22	9	AZ661445	AZ661445 1M0540K11
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	909	10	0.4	23	1	AU267170	AU267170 AU267170
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ALIGNMENTS

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VERSION     CZ442773.1  GI:62378723
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            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 22)
  AUTHORS   Lewinski,M.K., Bisgrove,D., Shinn,P., Chen,H., Hoffmann,C.,
            Hannenhalli,S., Verdin,E., Berry,C.C., Ecker,J.R. and Bushman,F.D.
  TITLE     Genome-wide analysis of chromosomal features repressing human
            immunodeficiency virus transcription
  JOURNAL   J. Virol. 79 (11), 6610-6619 (2005)
   PUBMED   15890899
COMMENT     Contact: Bushman FD
            Department of Microbiology
            University of Pennsylvania School of Medicine
            402C Johnson Pavilion, 3610 Hamilton Walk, Philadelphia, PA
            19104-6076, USA
            Tel: 215 573 8732
            Fax: 215 573 4856
            Email: bushman@mail.med.upenn.edu
            Class: PCR with specific primers.
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                     well-expressed proviruses in human Jurkat T cells"
                     /note="Vector: LTR-Tat-IRES-GFP (pEV731); We have
                     investigated regulatory sequences in noncoding human DNA
                     that are associated with repression of an integrated human
                     immunodeficiency virus type 1 (HIV-1) promoter. HIV-1
                     integration results in the formation of precise and
                     homogeneous junctions between viral and host DNA, but
                     integration takes place at many locations. Thus, the
                     variation in HIV-1 gene expression at different
                     integration sites reports the activity of regulatory
                     sequences at nearby chromosomal positions. Negative
                     regulation of HIV transcription is of particular interest
                     because of its association with maintaining HIV in a
                     latent state in cells from infected patients. To identify
                     chromosomal regulators of HIV transcription, we infected
                     Jurkat T cells with an HIV-based vector transducing green
                     fluorescent protein (GFP) and separated cells into
                     populations containing well-expressed (GFP-positive) or
                     poorly expressed (GFP-negative) proviruses. We then
                     determined the chromosomal locations of the two classes by
                     sequencing 971 junctions between viral and cellular DNA.
                     Possible effects of endogenous cellular transcription were
                     characterized by transcriptional profiling. Low-level GFP
                     expression correlated with integration in (i) gene
                     deserts, (ii) centromeric heterochromatin, and (iii) very
                     highly expressed cellular genes. These data provide a
                     genome-wide picture of chromosomal features that repress
                     transcription and suggest models for transcriptional
                     latency in cells from HIV-infected patients."
ORIGIN
```

```
  Query Match             0.7%;  Score 17;  DB 10;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+04;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1082 GGCCAGGAGCATGAGAC 1098
              |||||||||||||||||
Db         19 GGCCAGGAGCATGAGAC 3


RESULT 2
AG201964/c
LOCUS       AG201964                 22 bp    DNA     linear   GSS 06-MAR-2004
DEFINITION  Pan troglodytes DNA, clone: RP43-084N04.TJ, genomic survey
            sequence.
ACCESSION   AG201964
VERSION     AG201964.1  GI:45234139
KEYWORDS    GSS.
SOURCE      Pan troglodytes (chimpanzee)
  ORGANISM  Pan troglodytes
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Pan.
REFERENCE   1
  AUTHORS   Park,H., Kim,Y., Kim,S., Han,Y., Woo,T., Park,K., Eun,C.J.,
            Hoon,S.T., Chu,M., Kim,H., Joo,S., Kim,C., Song,W. and Yoo,H.
  TITLE     BAC end sequences of Library RP-43
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 22)
  AUTHORS   Park,H., Kim,Y., Kim,S., Han,Y., Woo,T., Park,K., Eun,C.J.,
            Hoon,S.T., Chu,M., Kim,H., Joo,S., Kim,C., Song,W. and Yoo,H.
  TITLE     Direct Submission
  JOURNAL   Submitted (07-JAN-2002) Hong-Seog Park, Korea Research Institute of
            Bioscience and Biotechnology (KRIBB), Genome Research Center (GRC);
            52, Oun-dong, Yusong-gu, Daejeon 305-333, Korea
            (E-mail:redstone@mail.kribb.re.kr, URL:http://phs.grc.kribb.re.kr/,
            Tel:82-42-866-7181, Fax:82-42-860-4409)
COMMENT     Clones are derived from the chimpanzee BAC library RP-43 This BAC
            end was generated during the R&D process and may have higher chance
            of clone tracking errors.
             PRIMERS
                 Sequencing: TJ
             LIBRARY
                 Vector    : pBACe3.6
```

```
                R.Site 1  : EcoRI
                R.Site 2  : EcoRI.
FEATURES              Location/Qualifiers
     source           1. .22
                      /organism="Pan troglodytes"
                      /mol_type="genomic DNA"
                      /db_xref="taxon:9598"
                      /clone="RP43-084N04.TJ"
                      /sex="male"
                      /cell_type="lymphocytes"
                      /clone_lib="RP-43 Chimpanzee Male BAC Library"
ORIGIN

  Query Match             0.6%;  Score 15;  DB 10;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+05;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        251 ACCCAGGATGAGCAG 265
              |||||||||||||||
Db         21 ACCCAGGATGAGCAG 7


RESULT 3
AI000095/c
LOCUS       AI000095                 25 bp    mRNA    linear   EST 27-AUG-1998
DEFINITION  os61a08.s1 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGE:1609814 3'
            similar to TR:Q33563 Q33563 EATRO 164 KINETOPLAST ;contains L1.b1
            MSR1 repetitive element ;, mRNA sequence.
ACCESSION   AI000095
VERSION     AI000095.1  GI:3190649
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 25)
  AUTHORS   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
  TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
            Tumor Gene Index
  JOURNAL   Unpublished (1997)
COMMENT     Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
            Emmert-Buck, M.D., Ph.D.
             cDNA Library Preparation: M. Bento Soares, Ph.D.
             cDNA Library Arrayed by: Greg Lennon, Ph.D.
             DNA Sequencing by: Washington University Genome Sequencing Center
             Clone distribution: NCI-CGAP clone distribution information can be
            found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html

            Trace considered overall poor quality
            Insert Length: 1853   Std Error: 0.00
            Seq primer: -40m13 fwd. ET from Amersham
            High quality sequence stop: 1.
FEATURES              Location/Qualifiers
     source           1. .25
                      /organism="Homo sapiens"
                      /mol_type="mRNA"
                      /db_xref="taxon:9606"
                      /clone="IMAGE:1609814"
                      /sex="female, pooled"
                      /tissue_type="breast"
                      /lab_host="DH10B"
                      /clone_lib="NCI_CGAP_Br2"
                      /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                      polylinker; 1st strand cDNA was prepared from pooled bulk
                      breast tumor tissue, and was then primed with a Not I -
                      oligo(dT) primer. Double-stranded cDNA was ligated to Eco
                      RI adaptors (Pharmacia), digested with Not I and cloned
                      into the Not I and Eco RI sites of the modified pT7T3
                      vector.  This library is the normalized version of
                      NCI_CGAP_Br1.1. Library was constructed by Bento Soares
                      and M. Fatima Bonaldo. "
ORIGIN

  Query Match             0.6%;  Score 15;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+05;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        241 CACCAACACCACCCA 255
              |||||||||||||||
Db         21 CACCAACACCACCCA 7


RESULT 4
AZ582229
LOCUS       AZ582229                 27 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  1M0374B05R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0374B05 R, genomic survey sequence.
ACCESSION   AZ582229
VERSION     AZ582229.1  GI:11700904
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 27)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0374  row: B  column: 05
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 27.
FEATURES              Location/Qualifiers
     source           1. .27
                      /organism="Mus musculus"
                      /mol_type="genomic DNA"
                      /strain="C57BL/6J"
                      /db_xref="taxon:10090"
                      /clone="UUGC1M0374B05"
                      /sex="Male"
                      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                      /clone_lib="Mouse 10kb plasmid UUGC1M library"
                      /note="Vector: PWD42nv; Purified genomic DNA from M.
                      musculus C57BL/6J (male) was obtained  from the Jackson
                      Laboratory Mouse DNA Resource
                      (http://www.jax.org/resources/documents/dnares/). The DNA
                      was hydrodynamically sheared by repeated passage through a
                      0.005 inch orifice at constant velocity. The sheared DNA
                      was blunt end-repaired with T4 DNA polymerase and T4
                      polynucleotide kinase. Adaptor oligonucleotides were
                      ligated to the blunt ends in high  molar excess. The
                      adaptored DNA was purified and size-selected for a 9.5 to
                      10.5 kb range using preparative agarose gel
                      electrophoresis. Vector DNA was prepared from a derivative
                      of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                      inducible derivative of plasmid R1. The vector was ligated
                      with adaptors complementary to the insert adaptors and
                      purified. The sheared, adaptored mouse DNA was annealed to
```

adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
ORIGIN

Query Match 0.6%; Score 15; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.4e+05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2217 GGTTAGGGGTTGGGG 2231
||||||||||||||||
Db 8 GGTTAGGGGTTGGGG 22

RESULT 5
AW249512/c
LOCUS AW249512 28 bp mRNA linear EST 07-JAN-2000
DEFINITION 2821233.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2821233 3',
mRNA sequence.
ACCESSION AW249512
VERSION AW249512.1 GI:6592505
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 28)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Other_ESTs: 2821233.5prime
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling
Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
project Clone distribution: MGC clone distribution information can
be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
Scores: PHRED from University of Washington Genome Center. Vector
Trimming: cross_match from University of Washington Genome Center
PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
Drosophila Genome Project. University of Washington Genome Center:
http://www.genome.washington.edu Low Quality Sequence: 16
contiguous PHRED high quality bases following vector sequence. Very
Low Quality Sequence: Trace file contained 28 contiguous distinct
peaks following vector sequence. Polyadenylation: Based upon the
presence of a XhoI site followed by a run of 14 or more T residues
at the beginning of the sequence, this cDNA insert was
polyadenylated.
Plate: LLCM6 row: E column: 10
High quality sequence stop: 16.
FEATURES Location/Qualifiers
source 1. .28
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2821233"
/tissue_type="small cell carcinoma"
/cell_line="MGC3"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_7"
/note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
EcoRI; cDNA made by oligo-dT priming. Directionally
cloned into EcoRI/XhoI sites using the following 5'
adaptor: GGCACGAG(G). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
ORIGIN

Query Match 0.6%; Score 15; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.4e+05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2312 AGTGAGAAAAAAAAA 2326
|||||||||||||||
Db 16 AGTGAGAAAAAAAAA 2

RESULT 6
CZ909748/c
LOCUS CZ909748 30 bp DNA linear GSS 08-AUG-2005
DEFINITION 4018011C02.2EL_y1 4018 - RescueMu Grid X Zea mays genomic, genomic
survey sequence.
ACCESSION CZ909748
VERSION CZ909748.1 GI:71922907
KEYWORDS GSS.
SOURCE Zea mays
ORGANISM Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
REFERENCE 1 (bases 1 to 30)
AUTHORS Walbot,V.
TITLE Maize genomic sequences found using engineered RescueMu transposon
JOURNAL Unpublished (2001)
COMMENT Contact: Walbot V
Department of Biological Sciences
Stanford University
855 California Ave, Palo Alto, CA 94304, USA
Tel: 650 723 2227
Fax: 650 725 8221
Email: walbot@stanford.edu
Possible ligation site of ends cut by 2 different endonucleases.
Reverse complemented post-ligation sequence from source sequence.
Plate: 4018011 row: C column: 02
Class: transposon-tagged.
FEATURES Location/Qualifiers
source 1. .30
/organism="Zea mays"
/mol_type="genomic DNA"
/cultivar="mixed background W23/A188/B73/K55"
/db_xref="taxon:4577"
/tissue_type="leaf"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="4018 - RescueMu Grid X"
/note="Organ: leaf; Vector: RescueMu (engineered from
pBlueScript backbone); Site_1: BamHI; Site_2: BglII;
RescueMu is a 4.9 kb, modified maize Mu transposon
designed to allow plasmid rescue from total genomic DNA.
Mu elements insert preferentially into transcription
units. For more information on RescueMu, go to the web
site 'http://www.mutransposon.org/project/RescueMu/'. Grid
X was grown at UCSD in 2003. DNA was extracted from leaf
strips, double digested using BamHI and BglII, and ligated
to form circular plasmids. DH10B cells were transformed
and then screened on LB plates with ampicillin."
ORIGIN

Query Match 0.6%; Score 15; DB 10; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.4e+05;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1920 AAAAAAAACCTTCAA 1934
|||||||||||||||
Db 19 AAAAAAAACCTTCAA 5

RESULT 7
AZ808800/c
LOCUS AZ808800 20 bp DNA linear GSS 20-FEB-2001
DEFINITION 2M0072F01R Mouse 10kb plasmid UUGC1M library Mus musculus genomic

```
            clone UUGC2M0072F01 R, genomic survey sequence.
ACCESSION   AZ808800
VERSION     AZ808800.1  GI:12974523
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0072  row: F  column: 01
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0072F01"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             0.6%;  Score 14;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+05;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2183 AAGGAAAGGGGCCT 2196
              ||||||||||||||
Db         14 AAGGAAAGGGGCCT 1


RESULT 8
AZ345454/c
LOCUS       AZ345454                 23 bp    DNA     linear   GSS 29-SEP-2000
DEFINITION  1M0080J10F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0080J10 F, genomic survey sequence.
ACCESSION   AZ345454
VERSION     AZ345454.1  GI:10424691
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 23)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0080  row: J  column: 10
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 23.
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0080J10"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             0.6%;  Score 14;  DB 9;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+05;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1910 AAAAAGGAGGAAAA 1923
              ||||||||||||||
Db         22 AAAAAGGAGGAAAA 9


RESULT 9
AJ647608/c
```

```
LOCUS       AJ647608                 19 bp    mRNA    linear   EST 07-JUL-2004
DEFINITION  AJ647608 CSEQRAN19 Sus scrofa cDNA clone C0003260_C14, mRNA
            sequence.
ACCESSION   AJ647608
VERSION     AJ647608.1  GI:49324453
KEYWORDS    EST.
SOURCE      Sus scrofa (pig)
  ORGANISM  Sus scrofa
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;
            Sus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Anderson,S.I., Finlayson,H.A. and Archibald,A.L.
  TITLE     Development of cDNA and EST resources for studying reproduction and
            embryo development in pigs and cattle
  JOURNAL   Unpublished (2004)
COMMENT     Contact: Anderson SI
            Genomics and Bioinformatics
            Roslin Institute
            Roslin, Midlothian, EH25 9PS, UNITED KINGDOM
            Single pass sequencing. Bases called and trimmed with phred
            v0.020425.c. Vector identified by cross_match with the -minscore 20
            and -minmatch 12 options. Vector:pBlueScriptII(KS) R. Site1: EcoRI
            R. Site2: NotI 5' Seq Primer M13F Normalised library constructed
            from pooled ovaries. Clones available from UK Centre for Functional
            Genomics in Farm Animals, Roslin Institite, Roslin, Midlothian, UK,
            EH25 9PS, www.ark-genomics.org.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Sus scrofa"
                     /mol_type="mRNA"
                     /db_xref="taxon:9823"
                     /clone="C0003260_C14"
                     /tissue_type="ovary"
                     /clone_lib="CSEQRAN19"
                     /note="Vector: pBlueScript11(KS+); Site_1: EcoRI; Site_2:
                     NotI; Single pass sequencing; Normalised library
                     constructed from pooled ovaries"
ORIGIN

  Query Match             0.6%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        753 AGGAAGTCAATTA 765
              |||||||||||||
Db         16 AGGAAGTCAATTA 4


RESULT 10
AJ588628/c
LOCUS       AJ588628                 20 bp    DNA     linear   GSS 15-JAN-2004
DEFINITION  Arabidopsis thaliana T-DNA flanking sequence, left border, clone
            534H10, genomic survey sequence.
ACCESSION   AJ588628
VERSION     AJ588628.1  GI:37938252
KEYWORDS    GSS; left border; T-DNA flanking sequence.
SOURCE      Arabidopsis thaliana (thale cress)
  ORGANISM  Arabidopsis thaliana
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
            rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
REFERENCE   1
  AUTHORS   Brunaud,V., Balzergue,S., Dubreucq,B., Aubourg,S., Samson,F.,
            Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
            Lepiniec,L., Caboche,M. and Lecharny,A.
  TITLE     T-DNA integration into the Arabidopsis genome depends on sequences
            of pre-insertion sites
  JOURNAL   EMBO Rep. 3 (12), 1152-1157 (2002)
   PUBMED   12446565
REFERENCE   2  (bases 1 to 20)
  AUTHORS   Balzergue,S.
  TITLE     Direct Submission
  JOURNAL   Submitted (23-OCT-2003) Balzergue S., UMRGV, INRA/CNRS, 2 rue
            Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT     PCR was performed on DNA from transformants of Arabidopsis thaliana
            plants from INRA (Versailles). The DNA fragment(s) resulting from
            the PCR were directly sequenced from the left or the right border
            to determine the genomic sequence flanking the insertion. T-DNA
            derived sequences were removed. Information to order the
            corresponding mutant line and a link to a database providing a
            graphical display of the insertion site are available at
            http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
            been generated in the framework of the French plant genomics
            program 'Genoplante' (http://www.genoplante.com and
            http://genoplante-info.infobiogen.fr).
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Arabidopsis thaliana"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:3702"
                     /clone="534H10"
                     /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
                     /ecotype="Wassilewskija"
     misc_feature    1. .20
                     /note="T-DNA flanking sequence
                     left border"
ORIGIN

  Query Match             0.6%;  Score 13;  DB 10;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2153 AATGTGAGAAAAA 2165
              |||||||||||||
Db         19 AATGTGAGAAAAA 7


RESULT 11
AJ599954/c
LOCUS       AJ599954                 20 bp    DNA     linear   GSS 15-JAN-2004
DEFINITION  Arabidopsis thaliana T-DNA flanking sequence, left border, clone
            497C03, genomic survey sequence.
ACCESSION   AJ599954
VERSION     AJ599954.1  GI:37949582
KEYWORDS    GSS; left border; T-DNA flanking sequence.
SOURCE      Arabidopsis thaliana (thale cress)
  ORGANISM  Arabidopsis thaliana
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
            rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
REFERENCE   1
  AUTHORS   Brunaud,V., Balzergue,S., Dubreucq,B., Aubourg,S., Samson,F.,
            Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
            Lepiniec,L., Caboche,M. and Lecharny,A.
  TITLE     T-DNA integration into the Arabidopsis genome depends on sequences
            of pre-insertion sites
  JOURNAL   EMBO Rep. 3 (12), 1152-1157 (2002)
   PUBMED   12446565
REFERENCE   2  (bases 1 to 20)
  AUTHORS   Balzergue,S.
  TITLE     Direct Submission
  JOURNAL   Submitted (23-OCT-2003) Balzergue S., UMRGV, INRA/CNRS, 2 rue
            Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT     PCR was performed on DNA from transformants of Arabidopsis thaliana
            plants from INRA (Versailles). The DNA fragment(s) resulting from
            the PCR were directly sequenced from the left or the right border
            to determine the genomic sequence flanking the insertion. T-DNA
            derived sequences were removed. Information to order the
            corresponding mutant line and a link to a database providing a
            graphical display of the insertion site are available at
            http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
            been generated in the framework of the French plant genomics
            program 'Genoplante' (http://www.genoplante.com and
            http://genoplante-info.infobiogen.fr).
FEATURES             Location/Qualifiers
```

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     source          1. .20
                     /organism="Arabidopsis thaliana"
                     /mol_type="genomic DNA"
                     /db_xref="taxon:3702"
                     /clone="497C03"
                     /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
                     /ecotype="Wassilewskija"
     misc_feature    1. .20
                     /note="T-DNA flanking sequence
                     left border"
ORIGIN

  Query Match             0.6%;  Score 13;  DB 10;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2153 AATGTGAGAAAAA 2165
              |||||||||||||
Db         19 AATGTGAGAAAAA 7


RESULT 12
AJ649792/c
LOCUS       AJ649792                 21 bp    mRNA    linear   EST 07-JUL-2004
DEFINITION  AJ649792 CSEQRAN19 Sus scrofa cDNA clone C0003273_I01, mRNA
            sequence.
ACCESSION   AJ649792
VERSION     AJ649792.1  GI:49326637
KEYWORDS    EST.
SOURCE      Sus scrofa (pig)
  ORGANISM  Sus scrofa
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;
            Sus.
REFERENCE   1  (bases 1 to 21)
  AUTHORS   Anderson,S.I., Finlayson,H.A. and Archibald,A.L.
  TITLE     Development of cDNA and EST resources for studying reproduction and
            embryo development in pigs and cattle
  JOURNAL   Unpublished (2004)
COMMENT     Contact: Anderson SI
            Genomics and Bioinformatics
            Roslin Institute
            Roslin, Midlothian, EH25 9PS, UNITED KINGDOM
            Single pass sequencing. Bases called and trimmed with phred
            v0.020425.c. Vector identified by cross_match with the -minscore 20
            and -minmatch 12 options. Vector:pBlueScriptII(KS) R. Site1: EcoRI
            R. Site2: NotI 5' Seq Primer M13F Normalised library constructed
            from pooled ovaries. Clones available from UK Centre for Functional
            Genomics in Farm Animals, Roslin Institite, Roslin, Midlothian, UK,
            EH25 9PS, www.ark-genomics.org.
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Sus scrofa"
                     /mol_type="mRNA"
                     /db_xref="taxon:9823"
                     /clone="C0003273_I01"
                     /tissue_type="ovary"
                     /clone_lib="CSEQRAN19"
                     /note="Vector: pBlueScript11(KS+); Site_1: EcoRI; Site_2:
                     NotI; Single pass sequencing; Normalised library
                     constructed from pooled ovaries"
ORIGIN

  Query Match             0.6%;  Score 13;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2014 TGGAGGAGACCAG 2026
              |||||||||||||
Db         13 TGGAGGAGACCAG 1


RESULT 13
AZ834857/c
LOCUS       AZ834857                 21 bp    DNA     linear   GSS 20-FEB-2001
DEFINITION  2M0117H17R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0117H17 R, genomic survey sequence.
ACCESSION   AZ834857
VERSION     AZ834857.1  GI:13004765
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 21)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0117  row: H  column: 17
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 21.
FEATURES             Location/Qualifiers
     source          1. .21
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0117H17"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             0.6%;  Score 13;  DB 9;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        213 ATTCCAGCACGTG 225
              |||||||||||||
Db         13 ATTCCAGCACGTG 1
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```
RESULT 14
AZ363658/c
LOCUS       AZ363658                 24 bp    DNA     linear   GSS 02-OCT-2000
DEFINITION  1M0109H16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0109H16 F, genomic survey sequence.
ACCESSION   AZ363658
VERSION     AZ363658.1  GI:10477358
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0109  row: H  column: 16
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 24.
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0109H16"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             0.6%;  Score 13;  DB 9;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1113 AAAAGGTGGCAGA 1125
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Db         16 AAAAGGTGGCAGA 4
```

```
RESULT 15
AZ601725/c
LOCUS       AZ601725                 24 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  1M0420E12F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0420E12 F, genomic survey sequence.
ACCESSION   AZ601725
VERSION     AZ601725.1  GI:11723915
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0420  row: E  column: 12
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 24.
FEATURES             Location/Qualifiers
     source          1. .24
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0420E12"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             0.6%;  Score 13;  DB 9;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        342 CCACCACCCTGCC 354
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Db         14 CCACCACCCTGCC 2
```

```
RESULT 16
AI745099
LOCUS       AI745099                 25 bp    mRNA    linear   EST 21-JUN-1999
DEFINITION  tr21a09.x1 NCI_CGAP_Ov23 Homo sapiens cDNA clone IMAGE:2218936 3'
            similar to TR:Q34096 Q34096 MURF2 PROTEIN. ;contains element L1 L1
            repetitive element ;, mRNA sequence.
ACCESSION   AI745099
VERSION     AI745099.1  GI:5113387
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Hominidae; Homo.
REFERENCE   1  (bases 1 to 25)
  AUTHORS   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
  TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
            Tumor Gene Index
  JOURNAL   Unpublished (1997)
COMMENT     Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
            Emmert-Buck, M.D., Ph.D.
             cDNA Library Preparation: Life Technologies, Inc.
             cDNA Library Arrayed by: Greg Lennon, Ph.D.
             DNA Sequencing by: Washington University Genome Sequencing Center
             Clone distribution: NCI-CGAP clone distribution information can be
            found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html

            Trace considered overall poor quality
            Seq primer: -40UP from Gibco
            High quality sequence stop: 1.
FEATURES             Location/Qualifiers
     source          1. .25
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2218936"
                     /tissue_type="tumor, 5 pooled (see description)"
                     /lab_host="DH10B"
                     /clone_lib="NCI_CGAP_Ov23"
                     /note="Organ: ovary; Vector: pCMV-SPORT6; Site_1: SalI;
                     Site_2: NotI; Cloned unidirectionally.  Primer: Oligo dT.
                     Average insert size 1.35 kb. Tumor types include: mixed
                     Mullerian tumor, papillary serous, clear cell, spindle
                     cell.  All are primary tumors, metastasis positive. Life
                     Technologies catalog #: 11534-013"
ORIGIN

  Query Match             0.6%;  Score 13;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2314 TGAGAAAAAAAAA 2326
              |||||||||||||
Db         13 TGAGAAAAAAAAA 25


RESULT 17
TA225C03Q/c
LOCUS       TA225C03Q                25 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  T. brucei sheared genomic DNA clone 225c03, reverse sequence,
            genomic survey sequence.
ACCESSION   AL480476
VERSION     AL480476.1  GI:11846245
KEYWORDS    GSS.
SOURCE      Trypanosoma brucei
  ORGANISM  Trypanosoma brucei
            Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
            Trypanosoma.
REFERENCE   1  (bases 1 to 25)
  AUTHORS   Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
            Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
            Melville,S.E., Rajandream,M.A. and Barrell,B.G.
  TITLE     Direct Submission
  JOURNAL   Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
            project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
            Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
            nh1@sanger.ac.uk
COMMENT     Constructed at the Institute for Genomic Research (TIGR),
            Rockville, MD. Genomic DNA isolated from a cloned population of
            Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
            to give a tight size distribution (
            4 kb).  The v + i method used for the library construction is
            described in detail in Smith, H. and Venter, J.C. (Making small
            insert libraries for whole genome shotgun sequencing projects.  In
            Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
            Barrell, Oxford University Press, 1999).
            Email: nelsayed@tigr.org
            Details of T. brucei sequencing at the Sanger Centre are available
            at http://www.sanger.ac.uk/Projects/T_brucei/.
FEATURES             Location/Qualifiers
     source          1. .25
                     /organism="Trypanosoma brucei"
                     /mol_type="genomic DNA"
                     /strain="TREU927"
                     /db_xref="taxon:5691"
                     /clone="225c03"
ORIGIN

  Query Match             0.6%;  Score 13;  DB 11;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2296 AGGAAATAAAAAG 2308
              |||||||||||||
Db         25 AGGAAATAAAAAG 13


RESULT 18
AZ386258/c
LOCUS       AZ386258                 26 bp    DNA     linear   GSS 02-OCT-2000
DEFINITION  1M0145E08F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0145E08 F, genomic survey sequence.
ACCESSION   AZ386258
VERSION     AZ386258.1  GI:10499958
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 26)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0145  row: E  column: 08
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 26.
```

```
FEATURES             Location/Qualifiers
     source          1. .26
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0145E08"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             0.6%;  Score 13;  DB 9;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1000 CCTCACCATGGGC 1012
              |||||||||||||
Db         21 CCTCACCATGGGC 9


RESULT 19
AZ831059/c
LOCUS       AZ831059                 26 bp    DNA     linear   GSS 20-FEB-2001
DEFINITION  2M0110C11R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0110C11 R, genomic survey sequence.
ACCESSION   AZ831059
VERSION     AZ831059.1  GI:13000967
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
            Sciurognathi; Muroidea; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 26)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0110  row: C  column: 11
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 26.
FEATURES             Location/Qualifiers
     source          1. .26
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC2M0110C11"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ORIGIN

  Query Match             0.6%;  Score 13;  DB 9;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1844 ATGCACATAGAGC 1856
              |||||||||||||
Db         21 ATGCACATAGAGC 9


RESULT 20
CZ910031/c
LOCUS       CZ910031                 26 bp    DNA     linear   GSS 08-AUG-2005
DEFINITION  4012001A01.1EL_y1 4012 - RescueMu Grid BB Zea mays genomic, genomic
            survey sequence.
ACCESSION   CZ910031
VERSION     CZ910031.1  GI:71923399
KEYWORDS    GSS.
SOURCE      Zea mays
  ORGANISM  Zea mays
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
            clade; Panicoideae; Andropogoneae; Zea.
REFERENCE   1  (bases 1 to 26)
  AUTHORS   Walbot,V.
  TITLE     Maize genomic sequences found using engineered RescueMu transposon
  JOURNAL   Unpublished (2001)
COMMENT     Contact: Walbot V
            Department of Biological Sciences
            Stanford University
            855 California Ave, Palo Alto, CA 94304, USA
            Tel: 650 723 2227
            Fax: 650 725 8221
            Email: walbot@stanford.edu
            Very probable ligation site of ends cut by single endonuclease.
            Reverse complemented post-ligation sequence from source sequence.
            Plate: 4012001  row: A  column: 01
            Class: transposon-tagged.
FEATURES             Location/Qualifiers
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                     /organism="Zea mays"
                     /mol_type="genomic DNA"
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/cultivar="mixed background W23/A188/B73/K55"
/db_xref="taxon:4577"
/tissue_type="leaf"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="4012 - RescueMu Grid BB"
/note="Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site_1: BamHI; Site_2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'http://www.mutransposon.org/project/RescueMu/'. Grid BB was grown at UC Berkeley in 2001. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

ORIGIN

Query Match 0.6%; Score 13; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.6e+06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       2065 ACCTCTTGGGGGG 2077
              |||||||||||||
Db         17 ACCTCTTGGGGGG 5
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Search completed: January 13, 2006, 14:24:38
Job time : 9278 secs